

BRIGHAM YOUNG UNIVERSITY



QUARTERLY



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FOR THE SCHOOL YEAR

1931-1932

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University Calendar

1931

AUTUMN QUARTER

September 21—First Faculty Meeting.

September 25 and 26—Registration days.

September 28—Registration Continued.

September 29—Instruction begins.

October 16—Founder's Day.

November 25 to November 30 (Wednesday evening until Monday morning)—Thanksgiving Recess.

December 18—Autumn Quarter closes.

1932

WINTER QUARTER

January 4—Winter Quarter begins.

January 25 to 29—Leadership Week.

March 18—Winter Quarter Closes.

SPRING QUARTER

March 21—Spring Quarter begins.

June 6—Baccalaureate services.

June 7—Alumni Reunions.

June 8—Fifty-sixth Commencement Exercises.

June 13—Summer Quarter begins.

Administrative Officers

Franklin S. Harris	-----	President
Kiefer B. Sauls	-----	Secretary to the President
		Purchasing Agent
Edward H. Holt	-----	Secretary-Treasurer
Carma Ballif	-----	Assistant in Secretary's Office
John E. Hayes	-----	Registrar
Christen Jensen	-----	Dean of the Graduate School
Carl F. Eyring	-----	Dean of the College of
		Arts and Sciences
Harrison V. Hoyt	----	Dean of the College of Commerce
Amos N. Merrill	-----	Acting Dean of the College of
		Education
Gerrit de Jong, Jr.	----	Dean of the College of Fine Arts
Lowry Nelson	--	Dean of the College of Applied Science
		Director Extension Division
Grace Folland Paulsen	--	Secretary Extension Division
Hugh M. Woodward	----	Dean of the Summer Session
Nettie Neff Smart	-----	Dean of Women
Lloyd L. Cullimore	-----	Medical Director
Edgar M. Jensen	-----	Director Training Schools
Anna Ollorton	-----	Librarian

The Faculty*

FRANKLIN STEWART HARRIS President

B. S., Brigham Young University, 1907; Ph. D., Cornell University, 1911; Student University of Paris, 1927; Instructor, Juarez Academy, 1904-05; Assistant Chemist, Utah Experiment Station, 1907-08; Instructor in Soils, Cornell University, 1907-08; Professor of Agronomy, Utah Agricultural College and Agronomist Utah Experiment station, 1911-21; Director School Agricultural Engineering and Mechanic Arts, 1912-16; Director Utah Experiment Station, 1916-21; President Brigham Young University, 1921—.

**GEORGE H. BRIMHALL President-Emeritus,
Professor of Religious Education**

B. Pd., Brigham Young University, 1893; D. Sc. D., Church Board of Education, 1898; LL. D., Brigham Young University, 1921; Instructor in Theology, Psychology and Pedagogy, Brigham Young University 1892-98; Professor of Psychology and Pedagogy 1898-1900; Acting President Brigham Young University, 1900-1902; President, 1904-21; President-Emeritus and Professor of Religious Education 1921—.

**JOHN C. SWENSON Professor of Economics
and Sociology**

A. B., Stanford University, 1898; M. A., Columbia University 1921; Graduate work, Columbia University, Summer of 1924; Assistant Professor of English, Brigham Young University, 1898-99; Professor of History and Economics, 1899-1906; Dean of College of Education, 1921-24; Professor of Economics and Sociology, 1906—.

CHARLES E. MAW Professor of Chemistry

A. B., Stanford University, 1903; S. M. University of Chicago, 1916; Ph. D., Stanford University, 1924; Graduate work, Columbia University, 1916; University of California, 1923; Professor of Chemistry, Brigham Young University, 1903—.

*The University Council consists of the President and all members of the faculty with the rank of professor, associate professor, or assistant professor.

ALFRED OSMOND **Professor of English**
 A. B., Harvard University, 1903; M. A., Columbia University, 1920; Graduate work, University of Chicago, Summer of 1913; Columbia University, Summer of 1920 and 1930-31; Professor of English, Brigham Young University, 1903—.

CHRISTEN JENSEN **Professor of History and Political Science, Dean of Graduate School**
 A. B., University of Utah, 1907; A. M., Harvard University, 1908; Ph. D., University of Chicago 1921; Graduate work, University of California Summer of 1915; Study in Europe 1928; Assistant Professor of History and Political Science, Brigham Young University, 1908-11; Professor, 1911—; Acting Dean College of Applied Science, 1924-29; Dean Graduate School, 1929—.

ELBERT H. EASTMOND **Professor of Art**
 Diploma in Normal Art and Manual Training, Pratt Institute, 1902; B. Pd., Brigham Young University, 1906; Student, California School of Fine Arts, Summer, 1915; University of California, and California, School of Arts and Crafts, Summers of 1916 and 1923; Rionido School of Art, Summer of 1918; University of Washington, 1923; Professor of Art, Brigham Young University, 1904—.

AMOS N. MERRILL **Professor of Secondary Education
 Acting Dean College of Education**
 B. S., Utah Agricultural College, 1896; M. S., University of Illinois, 1908; Ph. D., Stanford University, 1926; Professor of Agriculture, Brigham Young College, 1905-09; Professor of Agriculture, Brigham Young University, 1910-22; Dean of Church Teachers' College, 1917-23; Professor of Secondary Education and Supervisor of Secondary Training, 1924—.

EDWARD H. HOLT **Professor of Office Practice,
 Secretary of the Faculty**
 B. Pd., Brigham Young University, 1895; Assistant Professor, 1895-1902; Professor of Business Education, 1902-21; Professor of Office Practice, 1921—.

ALICE L. REYNOLDS **Professor of English Literature**
 A. B., Brigham Young University, 1910; Graduate work, University of London, 1911; Two years Graduate work, European Universities; University

of California, 1923; Instructor in English, Brigham Young University, 1894-1911; Professor of English Literature, Brigham Young University, 1911—.

**CARL F. EYRING Professor of Physics and Mathematics
Dean of the College of Arts and Sciences**

A. B., Brigham Young University, 1912; M. A., University of Wisconsin, 1915; Ph. D., California Institute of Technology, 1924; Assistant in Physics, University of Wisconsin, 1914-15; Assistant in Physics, California Institute of Technology, 1922-23; Research Specialist, Bell Telephone Laboratories, 1929-31; Assistant in Physics, Brigham Young University, 1910-12; Instructor, 1912-14; Assistant Professor, 1915-17; Professor of Physics and Mathematics, 1917—.; Dean of the College of Arts and Sciences, 1924—.

VILATE ELLIOTT Professor of Home Economics

B. Pd., Brigham Young University, 1895; Graduate work Pratt Institute 1907-08; Student State Normal School Santa Barbara, California, 1919-20; University of Chicago, 1922; Study in Europe 1924-25; Floating University, 1930-31; Professor of Home Economics, Brigham Young University, 1908—.

**BENJAMIN F. CUMMINGS' Professor of Modern and
Classical Languages**

A. B., University of Utah, 1913; Graduate work, University of Utah, 1920-22; University of Chicago, Summer of 1922; Stanford University, 1923-24; University of Paris, 1930-31; Instructor Modern Languages, Latter-Day Saints University, 1910-12; 1914-20; Instructor Modern Languages, University of Utah, 1913-14; Professor of Modern and Classical Languages, Brigham Young University, 1920—.

FLORENCE JEPPEPERSON MADSEN* Professor of Music

Music Diploma, Brigham Young University, 1905; Diploma, New England Conservatory of Music, 1909; Diploma, Chicago Musical College, 1925; B. M., 1926; M. M., 1917; Graduate Work in Music, New England Conservatory of Music, 1909-10; Private work, New York, 1919-29; Director, Vocal Department, Lasalle Seminary, Boston, 1911-16; Instructor in Vocal Art, L. D. S. School of Music and Weber College, 1916-18; Instructor Chicago Musical College

*On leave of absence.

THE FACULTY

Summers of 1927-28, Brigham Young University, 1910-11; 1916-18; Professor of Music, 1920—; Director of Music Mission Play, California, 1928-29; Director of Music, The McGroarty Plays, California, 1930—.

HARRISON V. HOYT Professor of Accounting and Business Administration, Dean of the College of Commerce

B. S., Purdue University, 1913; M. B. A., Harvard University, 1917; Industrial Engineer, New York, 1917-21; Graduate Work Stanford University, 1928-29; Professor of Business Administration and Dean of the College of Commerce, Brigham Young University, 1921—.

THOMAS L. MARTIN Professor of Agronomy

A. B., Brigham Young University, 1912; Ph. D. Cornell University, 1919; Study in Europe, 1930; Principal, Big Horn Academy, 1912-15; Emery Stake Academy, 1916-17; Millard Academy, 1919-21; Instructor in Soils, Cornell University, 1917-19; Professor of Agronomy, Brigham Young University, 1921—.

HUGH M. WOODWARD Professor of Philosophy of Education, Dean of Summer Session

A. B., Brigham Young University, 1911; M. A., University of Utah, 1918; Ph. D., University of California, 1920; Principal, St. George Academy, 1911-14; President Dixie Normal College, 1914-20; Fellow-Teacher, University of California, 1919-20; Assistant Director Educational Work, Bureau of Public Health, Washington, D. C., 1920-21; Professor of Education, University of Washington, Summer of 1925; Dean Summer Session, Brigham Young University, 1921-27; 1930—; Professor on University Afloat, 1928-29; Professor of Philosophy of Education, Brigham Young University, 1921—.

WILLIAM J. SNOW Professor of History

A. B., Brigham Young University, 1919; Ph. D., University of California, 1923; Principal Uintah Stake Academy, 1906-08; Instructor in History, Brigham Young University, 1910-15; Assistant Professor of History, 1915-17; Professor of History, 1917—.

T. EARL PARDOE Professor of Speech
Graduate of Leland Powers School, 1913; A. B.,

Brigham Young University, 1925; Graduate work, Columbia University, 1924-25; University of Southern California, 1929-31; Head of Department of Dramatic Art and Public Speaking, Weber Normal College, 1915-18; Associate Professor of Public Speaking and Dramatic Art, Brigham Young University, 1920-22; Professor, 1922—.

M. WILFORD POULSON Professor of Psychology

A. B., Brigham Young University, 1914; M. A., University of Utah, 1919; Graduate work, University of Chicago, 7½ Quarters from 1916 to 1925; Assistant Professor of Education, Brigham Young University, 1916-19; Associate Professor, 1919-22; Associate Professor of Psychology, 1922-23; Professor, 1923—.

**VASCO M. TANNER Professor of Zoology
and Entomology**

A. B., Brigham Young University, 1915; M. A., University of Utah, 1920; Ph. D., Stanford University, 1925; Head of Department of Biology, Dixie College, 1916-18, 1920-24; Professor of Zoology and Entomology, Brigham Young University, 1925—.

**HERALD R. CLARK Professor of
Finance and Banking**

A. B., Brigham Young University, 1918; M. B. A. University of Washington, 1924; Graduate work Ohio State University, 1927-28; Instructor in Accounting, Brigham Young University, 1913-17; Assistant Professor of Finance and Banking, 1917-27; Associate Professor of Finance and Banking, 1927-28; Professor, 1928—.

PARLEY A. CHRISTENSEN Professor of English

B. S., Utah Agricultural College, 1914; A. M., Stanford University of California, 1925; Ph. D., Stanford University, 1927; Student University of California, Summer of 1915; Assistant Professor of English Brigham Young College, 1917-25; Professor of English, Brigham Young College, 1925-26; Associate Professor of English, Brigham Young University, 1927-28; Professor, 1928—.

**G. OTT ROMNEY Professor of Physical Education
and Director of Athletics**

A. B., University of Utah, 1912; M. A., University of Utah, 1913; Harvard University, Graduate School of Business Administration, 1913-14; B. S., Montana

State College, 1916; Athletic Coach and Instructor, Billings (Montana) High School, 1916-1918; U. S. Naval Aviation, 1918-19; Director Physical Education and Athletic Coach, East Salt Lake High School, 1919-1922; Director of Athletics, Professor of Physical Education and Vice-Dean of Men, Montana State College, 1922-1928; Instructor (History, Government, Economics) Montana State Normal College, Summers of 1926-27-28; Professor of Physical Education and Director of Athletics, Brigham Young University, 1928—.

**GERRIT de JONG, JR* Professor of Modern Languages
Dean of College of Fine Arts**

A. B., University of Utah, 1920; M. A., 1925; Graduate work, National University of Mexico, 1921; University of Utah, Summers of 1923 to 25; University of Munich, 1927; Instructor Murdock Academy, 1916-18; Instructor, Latter-Day Saints University, 1919-25; Associate Professor of Modern Languages and Dean of College of Fine Arts, Brigham Young University, 1925—.

**LOWRY NELSON Professor of Rural Social Economics,
Dean College of Applied Science,
Director of Extension Division**

B. S., Utah Agricultural College, 1916, M. S. University of Wisconsin, 1924; Ph. D., University of Wisconsin, 1929; Assistant State Leader County Agents, Utah Agricultural College, 1917-1918; Editor Utah Farmer, 1920-1921; Director of Extension Division Brigham Young University, 1921—; Assistant Professor of Sociology, 1924-27; Associate Professor of Sociology, 1927-29; Professor of Rural Social Economics and Dean of College of Applied Science, Brigham Young University, 1929—.

**GEORGE H. HANSEN Professor of Geology and
Geography**

B. S., Utah Agricultural College, 1918; M. S. George Washington University, 1925; Ph. D. George Washington University, 1927; Field work with U. S. Geological Survey Summers of 1918, 1925, 1926 in Utah, Colorado and New Mexico; Assistant Professor of Geology and Geography, Brigham Young University, 1927-1929; Professor of Geology and Geography 1929—.

*On leave of absence.

ELMER MILLER Professor of Economics

A. B., Stanford University, 1914; Graduate work, Stanford Univ., 1914-15; 1929-30; Univ. Chicago Summers of 1916 and 1919; University of California, Summers of 1918 and 1921; Instructor Dixie Normal College, 1911-12; Principal Pleasant Grove High School, 1915-16; Principal South Sanpete High School, 1916-17; Lehi High School, 1917-19; Davis County High School, 1919-22; Superintendent Alpine School District, 1922-25; Associate Professor of Economics, Brigham Young University, 1923-29; Professor of Economics, 1930—.

MILTON MARSHALL Professor of Physics

A. B., Brigham Young University, 1918; Ph. D., University of Chicago, 1924; Instructor of Physics, Brigham Young University, 1919-21; Assistant Professor, 1924-27; Associate Professor, 1927-30; Professor, 1930—.

GUY C. WILSON Professor of Religious Education

B. Pd. Brigham Young University, 1900; Summer Schools of Brigham Young University, University of Utah, University of Chicago, Columbia University; Instructor, Brigham Young University, 1896-97; Principal Juarez Stake Academy, 1897-1912; Teacher of Granite Seminary, 1913-15; President Latter-Day Saints University, 1915-26; Supervisor of Religious Education, 1926-30; Professor of Religious Education, Brigham Young University, 1930—.

BENT F. LARSEN Professor of Art

A. B., Brigham Young University, 1912; M. A., University of Utah, 1922; Student of University of Chicago, Summer of 1912; of Art Institute of Chicago, Summer of 1922; Graduate work, Academie Julian, Paris, 1923-24; Academie Colarossi, Paris, 1923; Academie de La Grande Chaumiere, Paris, 1924; Student in Europe for sixteen months, 1929-30, with George Elmer Brown Art Group and in the Academie Andre' L'Hote; Supervisor of Art, B. Y. U. Training School, 1908-12; Associate Professor of Art, 1912-1931; Professor of Art, 1931—.

LEROY J. ROBERTSON Professor of Music

Graduate of New England Conservatory of Music, 1923; Instructor North Cache High School, 1923-24; Pleasant Grove High School, 1924-25; Instructor

of Music, Brigham Young University, 1924-26; Assistant Professor of Music, 1926-27; Associate Professor of Music, 1927-31; Professor of Music, 1931——.

HARRISON R. MERRILL Professor of Journalism

B. S., Utah Agricultural College, 1916; Graduate work, Utah Agricultural College, 1920; Brigham Young University, Summers of 1921 to 1923; Medill School of Journalism, North-western University, 1927; M. S. Pulitzer School of Journalism, Columbia University, 1930; Instructor in English, Oneida Academy, 1912-20; Instructor in English, Brigham Young University, 1921-23; Assistant Professor, 1923-29; Associate Professor of English, 1930-31; Professor of Journalim, 1931——.

FRANKLIN MADSEN Professor of Music

Graduate, New England Conservatory of Music, 1915; student of European Music Teachers, 1912-13-14 and 1923; A. B., Brigham Young University, 1925. M. A. Brigham Young University, 1931. From the Chicago Musical College: Graduate Diploma, 1925; Teachers' Certificate in Vocal Art and Singing, 1927; B. M., 1926, M. M., 1927; B. M. E., 1928; Mus. Doc., 1929. Supervisor of Music Jordan District and Instructor in Music Jordan High School, 1916-17; Supervisor of Music Nebo District and Instructor in Music Springville High School, 1917-18; Magna High School 1919-20; Instructor Chicago Musical College, Summers of 1927-28-29-30 and the winter 1927-28; Instructor in Music, Brigham Young University, 1920-24; Assistant Professor of Music, 1924-30; Associate Professor of Music, 1930-31; Professor of Music, 1931——.

LLOYD L. CULLIMORE Medical Director

B. S., University of Utah, 1922; M. D. George Washington Medical College, 1925; Instructor in Physiology, George Washington Medical College, 1925-26; Utah State Board of Health, Epidemiology, Child Health Department, 1926-1927; Health Education, Brigham Young University, Summer of 1927; Assistant Medical Director, 1928-29; Medical Director, 1929——.

L. WESTON OAKS Associate Medical Director

M. D., Jefferson Medical College, 1919; Graduate work, Colorado Congress Otolaryngology, Denver, Summers of 1923, 1924, and 1925; Assistant Medical

Director, Brigham Young University, 1924-25; Medical Director, 1925-29; Associate Medical Director, 1929—.

ROBERT SAUER Associate Professor of Music
Graduate of Music School of Dresden, Germany; Student Siegel Meyer Music Conservatory of Chicago, 1905; Instructor of Music, Brigham Young University, 1905-20; Assistant Professor of Music, 1920-24; Associate Professor of Music, 1924—.

J. MARINUS JENSEN Associate Professor of English
A. B., Brigham Young University, 1912; M. A., University of Chicago, 1919; Graduate work University of California, Summer of 1920; Stanford University, 1924-25; Assistant Professor of English, Brigham Young University, 1919-21; Associate Professor, 1921—.

HORACE G. MERRILL Associate Medical Director
A. B., Brigham Young University, 1914; M. D., Jefferson Medical College, 1908; F. A. C. S., American College of Surgeons, 1922; Graduate work, University of Edinburgh, 1913; University of Pennsylvania, 1921-22; North Chicago Hospital, 1915-16; Associate Medical Director, Brigham Young University, 1922—.

JOSEPH SUDWEEKS Associate Professor of
Educational Administration
B. S., University of Idaho, 1912; M. A., University of Chicago, 1920; Ph. D., University of Wisconsin, 1925; Instructor and Supervisor of Training, U. S. Veterans' Bureau, University of Idaho, 1920-23; Assistant in Department of Education, University of Idaho, 1920-21; Assistant Professor of Educational Administration, Brigham Young University, 1925-27; Associate Professor, 1927—.

CLARENCE S. BOYLE Associate Professor of Accounting
and Business Administration
B. S., Brigham Young University, 1924; M. S. in Retailing, New York University, 1926; Graduate work, New York University, Summer of 1926, Winter of 1926-27, Summer of 1927; Associate Professor of Accounting and Business Administration, Brigham Young University, 1927—.

**ELIZABETH CANNON Associate Professor of
Home Economics**

B. S., Utah Agricultural College, 1919; Graduate work, Columbia University, 1922-23; Graduate Dietitian Walter Reid General Hospital, Washington, D. C., 1928; Instructor, Latter-Day Saints University, 1920-22; Instructor in Foods and Nutrition, Brigham Young University, 1923-25; Assistant Professor, 1925-27; Associate Professor, 1928—.

EFFIE WARNICK Associate Professor of Home Economics

B. S., Utah Agricultural College, 1914; Graduate work, Summer of 1915; Columbia University, Summer of 1921; University of California, Summer of 1925; Graduate Work University of Chicago, 1928-1929; Instructor, Branch Agricultural College 1914-15; Pleasant Grove High School, 1915-22; Instructor in Foods and Nutrition, Brigham Young University, 1922-23; in Household Administration, 1923-27; Assistant Professor 1927-30; Associate Professor, 1930—.

**WAYNE B. HALES Associate Professor of
Physics and Mathematics**

A. B., Brigham Young University, 1916; M. A., University of Utah, 1922; Ph. D. California Institute of Technology, 1926; Head of Physics and Mathematics Department, Ricks College, 1916-21; President, Snow College, 1921-1924; Teaching Fellow, California Institute, 1924-1926; Head of Physics Department, Weber College, 1926-30; Associate Professor of Physics, Brigham Young University, 1930—.

LAVAL S. MORRIS* Associate Professor of Horticulture

B. S., Utah Agricultural College, 1923; M. S., Michigan State College, 1926; Graduate work, University of Southern California, 1930; at Harvard, 1930-31; Instructor in Horticulture, Brigham Young University 1923-26; Assistant Professor, 1926-31; Associate Professor, 1931—.

**MARY J. OLLORTON Assistant Professor of
Elementary Education**

A. B., Brigham Young University, 1913; M. A., Columbia University, 1926; Graduate work, University of Chicago, 1913, 1914, and 1916; Columbia

*On leave of absence.

University, 1913; Director of Training School, Brigham Young University, 1913-18; Assistant Professor of Elementary Teaching, 1919—.

IDA SMOOT DUSENBERRY Assistant Professor of Psychology

B. Pd. Brigham Young University, 1905; Kindergarten Normal Diploma, Brigham Young University, 1904; Graduate Chaurecey Hall College, Boston, 1908; Graduate Emerson College of Oratory, Boston, 1909; Graduate work Pestalozzi Froebel House, Berlin, Germany, 1912-13; Graduate work Columbia University, 1914-15, 1920-21; Summer School work, Columbia University, 1915 and 1921, University of Washington, 1916, University of California, 1927; Study in Europe, 1919-20; Director of Kindergarten Training, Brigham Young University, 1910-21; Assistant Professor Floating University, 1930-31; Assistant Professor of Psychology, Brigham Young University, 1921—.

HERMESE PETERSON Assistant Professor of Elementary Education

B. S., Brigham Young University, 1928; Normal Training Student, Brigham Young University; Brigham Young College; Utah Agricultural College, 1906-08; Columbia University, 1917; University of Utah, 1919; University of California, 1922; University of Chicago, 1922-23; Primary Supervisor of Alpine School District, 1908-12; Study in Europe 1928; Critic Teacher, Brigham Young University Training School, 1912-20; Primary Supervisor, 1920-23; Assistant Professor of Elementary Teaching, 1923—.

WILLIAM H. BOYLE Assistant Professor of Elementary Education

A. B., Brigham Young University, 1913; M. A., 1923; Graduate work, University of California, 1917 and 1923; Graduate work, University of Southern California, 1929-30; Principal, Brigham Young University High School, 1910-26; Assistant Professor of Elementary Teaching, 1923—.

WILLIAM H. SNELL Assistant Professor of Mechanic Arts

A. B., Brigham Young University, 1918; Graduate work, Bradley Polytechnic Institute, Summer of 1919; Brigham Young University, Summers of 1924 and 1925; Instructor in English, Brigham Young

University, 1915-17; Instructor in Woodwork, 1916-21; Assistant Professor of Mechanic Arts, 1921—.

THOMAS C. ROMNEY* Assistant Professor of History

A. B., Brigham Young University, 1914; M. A., University of California, 1924; Ph. D., University of California, 1929; Instructor, Juarez Academy, 1909-1912; Instructor, Ricks Academy, 1913-14; Principal, Knight Academy, 1914-19; Principal, Oneida Academy, 1919-22; Instructor in History, Brigham Young University, 1922-23; Assistant Professor, 1923—.

**EMMA BROWN Assistant Professor of
Elementary Education**

B. S., Columbia University, 1924; Student, University of Chicago, Summers of 1914 and 1918; Study in Europe 1928; Critic Teacher, University of Utah, 1908-10; Primary Supervisor, Box Elder County, 1913-15; Nebo School District, 1917-22; Primary Supervisor, Brigham Young University Training School, 1923-25; Assistant Professor of Elementary Teaching, 1925—.

**ASAEL C. LAMBERT Assistant Professor of
Educational Administration**

B. S., Brigham Young University, 1925; M. S., 1926; Graduate work Stanford University Summer quarters, 1928-29; Superintendent of Public Instruction, Fremont County, Idaho, 1923-24; Instructor, Brigham Young University, 1924-27; Principal University High School, 1926-1928; Assistant Professor of Secondary Teaching, 1927—.

ED. M. ROWE* Assistant Professor of English

A. B., Brigham Young University, 1923; Graduate work, Utah Agricultural College, Summer of 1924; Brigham Young University, 1924-25; University of Chicago, Summers of 1925, 1926, 1927, 1928, 1929; Principal Spanish Fork High School, 1910-12; Instructor in English, Brigham Young University, 1924-27; Assistant Professor, 1927—.

**CHARLES J. HART* Assistant Professor in Physical
Education and Athletics**

B. S., Utah Agricultural College, 1922; Graduate work, Utah Agricultural College, 1923; University of Wisconsin, Summer of 1925; Instructor Teton

*On leave of absence.

High School, 1923-25; Instructor in Physical Education and Athletics, Brigham Young University 1925-27; Assistant Professor 1927—.

EDGAR M. JENSEN Assistant Professor of Educational Administration, Director of Training Schools

A. B., Brigham Young University, 1916; M. A., Brigham Young University, 1919; Graduate work, Stanford University, 1926-27; Head of Department of Education, Dixie College, 1919-1923; President Dixie College, 1923-26; Instructor, Brigham Young University, 1927-28; Assistant Professor in Educational Administration and Principal University High school, 1928—.; Director of Training Schools 1930—.

WILMA JEPPSON Assistant Professor of Physical Education for Women

B. S., Brigham Young University 1927; student University of California, Summer of 1921; University of Wisconsin, Summer of 1925; Columbia University, 1929-30, M. S., Columbia University, 1930; Instructor in Physical Education for Women, Brigham Young University, 1923-29; Assistant Professor, 1930—.

ALONZO J. MORLEY Assistant Professor of Speech

A. B., Brigham Young University, 1925; M. A., Brigham Young University, 1931; Teacher of Public Speaking and Dramatic Art, Uintah County High School, 1925-26; Head of Speech Department, Weber County High School, 1926-27; Instructor in Speech, Brigham Young University, 1928-30; Assistant Professor, 1930—.

WILLIAM F. HANSON Assistant Professor of Music

Music Diploma, Brigham Young University, 1907; Teacher's Certificate, Chicago Musical College, 1924; Private work with Xaver Schaswenka, Maurice Aronson, Felix Borowski, Dr. Carl Busch, and H. B. Maxyott, 1924; Supervisor High School Music, Vernal, 13 years; Supervisor Public School Music, Brigham Young University, 1924-25; Acting Head of Music Department, 1925-26, and Summer Sessions of 1925-26-27; Instructor in Music, 1926-31; Assistant Professor, 1931—.

H. GRANT IVINS Assistant Professor of Animal Husbandry

B. S., Utah State Agricultural College, 1917; Instructor in Animal Husbandry, Brigham Young University, 1929-31; Assistant Professor, 1931—.

- GEORGE S. BALLIF** **Lecturer in Law**
 A. B., Brigham Young University, 1921; Student
 Harvard Law School, 1921-22; J. D. University of
 California Law School, 1924. Lecturer in Law
 1929—.
- JOHN E. HAYES** **Registrar**
 B. S., Brigham Young University, 1924; Instructor,
 Brigham Young University, 1903—; Registrar
 1904—.
- ANNA OLLORTON** **Librarian**
 A. B., Brigham Young University, 1913; Graduate
 work, University of Chicago, 1914-15; University
 of Utah, Summer of 1914; Chautauqua, New York
 Summer School, 1919 and 1923; Columbia University
 1930-31; Assistant Librarian Brigham Young Univer-
 sity, 1919-23; Acting Librarian, 1923-31; Librarian,
 1931—.
- ANNIE L. GILLESPIE** **Library Cataloguer**
 Principal West School, Provo, 1883-84; Assistant
 Librarian, Brigham Young University, 1906-11; Li-
 brarian, 1912-23; Cataloguer, 1923—.
- KIEFER B. SAULS** **Secretary to the President,**
Purchasing Agent
 B. S., Utah Agricultural College, 1920; Graduate
 work, 1920-21; Secretary to Director, Utah Agricul-
 tural Experiment Station, 1917-21; Secretary to
 President and Purchasing Agent, Brigham Young
 University, 1921—.
- NETTIE NEFF SMART** **Dean of Women**
 Normal Diploma, Brigham Young University, 1898;
 Student, Cornell University, 1907-09; Instructor
 Provo High School, 1920-21; Provo City Schools,
 1921-25; Instructor, Brigham Young University
 Training School, 1904-05; Dean of Women, 1925—.
- PERCIVAL P. BIGELOW** **Instructor in Auto Mechanics**
 Student, University of Michigan, Summer of 1922;
 Brigham Young University Summers of 1923, 1924,
 and 1925; Head Mechanic, Utah Packard Motor
 Company, 1916; Foreman, Superior Motor Co.,
 1917-18; Mechanic, Hudson Motor Car Company,
 Detroit, 1919; Instructor in Auto Mechanics, Brig-
 ham Young University, 1919—.
- BERTHA ROBERTS** **Instructor in Office Practice**
 A. B., Brigham Young University, 1926; Student

Durango Business College, 1922; University of Utah, Summer of 1926; Instructor, Wasatch High School, 1918-19; Instructor in Office Practice, Brigham Young University, 1919—.

NEWBERN I. BUTT **Library and Research Assistant**
B. S., Utah Agricultural College, 1915; Graduate work, 1915-17; Assistant Agronomist, Utah Agricultural College, 1915-18; Library and Research Assistant, Brigham Young University, 1922—.

ANNA EGBERT **Instructor in English**
B. S., Utah Agricultural College, 1921; Graduate work, Brigham Young University, Summers of 1922 and 1923; Columbia University, 1925-26, 1930-31; Instructor North Cache High School, 1922-23; Instructor in Dramatic Art, Brigham Young University, 1923-26; Instructor in English, 1926—.

A. REX JOHNSON* **Instructor in Office Practice**
Manager Stenographic Bureau
B. S. Brigham Young University 1924; Student Washington School of Accounting, 1918-20; Graduate work, University of Washington, Summer of 1926; M. A. George Washington University, 1931; Instructor in Business, Provo High School, 1920-21; Fielding High School, 1921-22; Instructor in Office Practice, 1924—.

ELSIE C. CARROLL **Instructor in English**
B. S., Brigham Young University, 1926; M. S., Brigham Young University, 1928; Student, Cornell University, 1914; University of Chicago, 1915; Stanford University, Summer of 1924; Head of English Department, Kanab High School 1917-18; Provo High School, 1919-20; Instructor in English, Brigham Young University, 1926—.

CLARENCE COTTAM* **Instructor in Biology**
and Entomology
A. B., Brigham Young University, 1926; M. A., Brigham Young University, 1927; Instructor in Biology and Entomology, Brigham Young University, 1927—.

MAUD TUCKFIELD **Instructor in Home Economics**
B. S., Utah Agricultural College, 1928; Student University of Utah, Summer 1920; Brigham Young University summer of 1923; University of Washington, summer of 1924; Instructor, Millard Academy, 1919;

*On leave of absence.

Murray High School, 1920-22; District Supervisor, Granite School District, 1922-23; Instructor, Brigham Young University, 1926—.

STELLA P. RICH **Instructor in English**
B. S., Brigham Young University, 1926; Instructor in the Public Schools of Utah and Idaho, 1911-1927; Student, University of Illinois, Summer of 1925; Instructor, Brigham Young University, Summer of 1926; Instructor in English, Brigham Young University, 1927—.

HUGH W. PETERSON **Instructor in Chemistry**
A. B. 1916; M. A. 1928, Brigham Young University; Student at University of Utah 1916-17; at Utah State Agricultural College, 1924; at State University of Iowa, 1930; Teacher in High Schools of Wyoming and Utah 1917-1927; Instructor in Chemistry, Brigham Young University, 1927—.

ELLA LARSEN BROWN **Assistant Librarian**
Student Cook County Normal School, 1891-92; Columbia University, 1905-06; Primary Supervisor, Utah County Schools, 1900-1902; Director Brigham Young University Training School, 1902-1908; Assistant Librarian, Brigham Young University, 1923—.

FRED W. DIXON **Instructor in Physical Education and Athletics**
B. S., Brigham Young University, 1926; Instructor in Physical Education and Athletic Director at Weber County High School, 1926-27; 1927-28; Graduate work at U. A. C., Summer of 1928; Instructor in Physical Education and Athletics, Brigham Young University, 1928—.

GRACE NIXON STEWART **Special Instructor in Speech**
B. S., Brigham Young University, 1925; Student University of London, 1925-27. Special Instructor in Public Speaking and Dramatic Art, Brigham Young University, 1928—.

GLADYS D. BLACK **Instructor in English**
Ph. B., University of Chicago, 1924; M. A., Columbia University, 1930; Instructor in English, Provo High School, 1924-25, 1925-26; Instructor in English, Central High School, Springfield, Illinois, 1927-28; Instructor in English, Brigham Young University, 1928—.

BESSIE IVERSON MEILING **Instructor in Physical Education for Women**

A. B., Brigham Young University, 1929; Instructor in Physical Education, 1929—.

BILLIE HOLLINGSHEAD **Instructor in Mathematics**

A. B., Texas State College for Women, 1922; Graduate work Columbia University, summer of 1925; M. A., Brigham Young University 1929. Instructor in Valdez High School, Valdez, Alaska, 1922-23; Instructor in Star Valley High School, 1924-26; Instructor in Kohala High School, Kohala, Hawaii, 1927-28; Instructor in Brigham Young University High School, 1929—.

GRACE FOLLAND PAULSEN **Secretary Extension Division**

A. B., Brigham Young University, 1926; Instructor in Dramatic Art and Physical Education, Payson High School, 1926-28; Secretary Extension Division, 1928—.

CARMA BALLIF **Assistant in Secretary's Office**

B. S., Brigham Young University, 1927; Assistant in Secretary's Office, 1927—.

MARGARET SUMMERHAYS **Instructor in Music**

Graduate of New England Conservatory of Music, 1916; Studied voice building with Fredrick H. Haywood, 1920 to 1923; with Mme Sophie Cehanovske, summer of 1927; with Edmund G. Meyer, summer of 1928-29; Special Instructor in Music at Brigham Young University, 1927-29; Instructor in Music, 1930—.

MARGARET SWENSON **Instructor in Home Economics**

B. S., Brigham Young University, 1926; Instructor in Richfield High School, 1926-29; Instructor in Brigham Young University, 1929—.

W. ELMO COFFMAN **Instructor in Science**

B. S., Utah State Agricultural College 1920; Instructor in Payson High School, 1920-21; Instructor in Springville High School, 1921-28; Principal Minersville High School, 1928-29; Graduate work Brigham Young University summer of 1927, and at University of Utah, summer of 1928. Instructor in Science, Brigham Young University, 1929—.

EDNA SNOW **Instructor in Science**

B. S., Brigham Young University, 1924; Graduate

THE FACULTY

student University of California, 1928; M. S. Brigham Young University, 1931; Instructor in Science, Brigham Young University, 1929—.

KARL E. YOUNG **Instructor in English**
B. S. Utah State Agricultural College 1924; graduate work at Harvard University 1924-25; student at Oxford, England, 1927 to 1930. Instructor in Logan High School 1925-26; Instructor in English, Brigham Young University 1930—.

ETTA SCORUP **Instructor in Home Economics**
B. S. Brigham Young University 1927; graduate work Oregon Agricultural College 1927, and at the University of Chicago 1928-29; Instructor in Parowan High School 1927-28; and in Weber County High School 1929-30; Instructor in Home Economics, Brigham Young University 1930—.

BLANCHE THOMAS **Instructor in Office Practice**
B. S. Brigham Young University, 1930; Instructor in Office Practice 1930—.

OA LLOYD **Instructor in Office Practice**
Assistant in Office Practice, Brigham Young University, 1928—30; Instructor 1931—.

G. LYNN HAYWARD **Instructor in Zoology**
B. S. Brigham Young University, 1927; M. S. Brigham Young University, 1931; Instructor in Fielding High School, 1927-30; Assistant in Zoology, Brigham Young University, 1930—. Instructor, 1931—.

BERTRAND F. HARRISON **Instructor in Botany**
B. S., Brigham Young University, 1930; M. S., Brigham Young University, 1931; Assistant in Botany, Brigham Young University, 1930-31; Instructor in Botany, 1931—.

RICHARD H. THORNE **Instructor in Physical Education**
B. S., Brigham Young University, 1928; Director Physical Education and Athletics Weber County High School, 1928-31; Instructor in Physical Education Brigham Young University, 1931—.

GUSTAVE BUGGERT **Instructor in Music**
Graduate of Music School of Magdeburg, Germany; Instructor in Music, Brigham Young University, 1930—.

- ORVILLE POLLEY Assistant in Chemistry
A. B., Brigham Young University, 1931; Assistant in
Chemistry, Brigham Young University, 1930—.
- HAROLD COLVIN Assistant in Chemistry
A. B., Brigham Young University, 1931; Assistant in
Chemistry, Brigham Young University, 1930—.
- ALVA JOHANSEN Assistant in Chemistry
A. B., Brigham Young University, 1931; Assistant in
Chemistry, Brigham Young University, 1931—.
- LESTER B. WHETTEN Assistant in Spanish
Assistant in Spanish, Brigham Young University,
1930—.
- JOHN WING Assistant in Chemistry
Assistant in Chemistry, Brigham Young University,
1931—.

TRAINING SCHOOL FACULTY

- C. LAVOIR JENSEN, Instructor in Secondary Training School.
MARY C. HAMMOND, Instructor in Elementary Training
School.
BARBARA MAUGHAN, B. S., Instructor in Elementary Train-
ing School.
GLADYS KOTTER, B. S., Instructor in Elementary Training
School.
GEORGIA MAESER, B. S., Instructor in Elementary Training
School.
JENNIE CAMPBELL, B. S., Instructor in Elementary Training
School.
THELMA LUDLOW, A. B., Instructor in Elementary Training
School.
HAZEL CLYDE, M. A., Instructor in Kindergarten.

SPECIAL INSTRUCTORS

- ELMER NELSON, Instructor in Piano.
HANNAH C. PACKARD, Special Instructor in Vocal Music.
GEORGE W. FITZROY, Special Instructor in Piano.
BESSIE E. GOURLEY, Assistant in Art.

- BRIGHAM T. HIGGS, Superintendent Buildings and Campus.
J. W. SAULS, Associate Superintendent Buildings and Campus.

STANDING COMMITTEES

The President is ex-officio a member of all committees.

Admission and Credits—John E. Hayes, G. H. Hansen.

Aiding Graduates to Obtain Employment—A. N. Merrill, K. B. Sauls, The Deans.

Alumni Directory—K. B. Sauls.

Athletics—P. A. Christensen, G. O. Romney, J. W. Knight, H. R. Merrill, K. B. Sauls, President of Student Body, President of Alumni Association, C. L. Jensen, Manager of Athletics.

Attendance and Scholarship—C. S. Boyle, V. M. Tanner, Wayne B. Hales, Effie Warnick.

Awards and Prizes—Alonzo Morley, LeRoy Robertson, Franklin Madsen.

Campus—L. S. Morris, E. H. Eastmond, H. G. Ivins.

Care of Girls and Women's Activities—Dean of Women, Margaret H. Eastmond, Lydia Hasler Candland, Maud Tuckfield, Bertha Roberts.

Catalogue and Other Quarterlies—E. H. Holt, J. E. Hayes, K. B. Sauls, N. I. Butt.

Debating—J. C. Swenson, Wm. J. Snow, A. C. Lambert, T. E. Pardoe.

Eligibility—Milton Marshall, H. Grant Ivins, J. E. Hayes.

Graduation—B. F. Cummings, Joseph Sudweeks, M. W. Poulson.

Lectures and Musicals—J. C. Swenson, Herald R. Clark.

Library—Alice L. Reynolds, G. H. Brimhall, M. W. Poulson, W. J. Snow, Librarian.

Personnel—C. S. Boyle, Thos. L. Martin, Wm. J. Snow, A. C. Lambert, Gladys Black.

Petitions—H. M. Woodward, C. E. Maw, Guy C. Wilson, Registrar.

Publicity—L. Nelson, J. M. Jensen, E. H. Holt, K. B. Sauls, H. R. Merrill, G. O. Romney.

Schedule of Events—K. B. Sauls.

Schedule of Classes—E. H. Holt, N. I. Butt.

Social Affairs—Elmer Miller, G. H. Hansen, Dean of Women, Elizabeth Cannon, Fred Dixon, Wilma Jeppson, Karl E. Young.

Social Units—Chairman of Social Affairs, Chairman of Attendance and Scholarship Committee, Registrar, Dean of Women, Elsie C. Carroll, and Student Representatives.

Student Accomodations—W. H. Boyle, W. H. Snell, P. P. Bigelow, Dean of Women, Hugh W. Peterson.

Student Aid and Employment—H. V. Hoyt, Dean of Women, Kiefer B. Sauls.

Student Publications—J. M. Jensen, E. H. Eastmond, B. F. Larsen.

Faculties of L. D. S. Institutes and Seminaries

COLLEGIATE INSTITUTES

	Teacher	Address
Logan Institute	T. C. Romney	Logan, Utah
Moscow Institute	G. S. Tanner	Moscow, Idaho
Pocatello Inst.	J. W. Sessions	Pocatello, Idaho

SENIOR SEMINARIES

Seminary	Teacher	Address
American Fork	E. Ray Gardner	Am. Fork, Utah
Ammon	Lucius Clark	Idaho Falls, Idaho
Barnes, John R.	G. C. Ensign	Kaysville, Utah
	T. D. Creer	Salt Lake City,
Bear River	W. W. Richards	Garland, Utah
	Alma W. King	Garland, Utah
Beaver	Wendell M. Rigby	Beaver, Utah
Bicknell	LeRoy B. Groberg	Bicknell, Utah
Blackfoot	G. Byron Done	Blackfoot, Idaho
Blanding	Wayne H. Redd	Blanding, Utah
Box Elder	Abel S. Rich	Brigham City, U.
	J. P. Lillywhite	Brigham City, U.
Burley	R. Bolden May	Burley, Idaho
Castle Dale	N. L. Williams	Castle Dale, Utah
Cedar City	G. O. Larson	Cedar City, Utah
Coalville	L. M. Norberg	Coalville, Utah
Delta	M. Ward Moody	Delta, Utah
Driggs	L. E. Peterson	Driggs, Idaho
East Side	James E. Moss	Salt Lake City
	M. D. Clayson	Salt Lake City
Ephraim	N. E. Noyes	Ephraim, Utah
Escalante	E. B. Allred	Escalante, Utah
Ferron	Milton R. Hunter	Ferron, Utah

Seminary	Teacher	Address
Franklin County	R. Lee Kenner	Preston, Idaho
	James DeBry	Preston, Idaho
Grace	Harold S. Nelson	Grace, Idaho
Granite	F. K. Seegmiller	Salt Lake City
	James E. Moss	Salt Lake City
	M. D. Clayson	Salt Lake City
Grantsville	D. Stanley Adams	Grantsville, Utah
Gunnison	J. C. Watts	Centerfield, Utah
Hinckley	R. T. Hinckley	Hinckley, Utah
Huntington	J. Wayne Moss	Huntington, Utah
Hurricane	A. Noble Kimball	Hurricane, Utah
Jordan	Carter E. Grant	Sandy, Utah
	Heber D. Clark	Bountiful, Utah
	M. L. Bennion	Salt Lake City
Kanab	B. L. Finlinson	Kanab, Utah
Lehi	Frank W. McGhie	Lehi, Utah
Lincoln	V. C. Anderson	Provo, Utah
Logan	Edward J. Passey	Logan, Utah
	L. R. Robinson	Logan, Utah
	C. P. Daniels	Logan, Utah
Lovell-Cowley	Joseph S. Fish	Lovell, Wyoming
Lyman	Willis J. Lyman	Lyman, Wyoming
Malad	H. W. Lawrence	Malad, Idaho
	E. M. Chadwick	Malad, Idaho
Manassa-Sanford	Stanley E. Best	Sanford, Colorado
Manti	L. E. Anderson	Manti, Utah
Mesa	J. R. Wilkins	Mesa, Arizona
Midway	Ariel S. Ballif	Menan, Idaho
Millard	S. D. Moore, Jr.	Fillmore, Utah
Monroe	V. L. Israelsen	Monroe, Utah
Montpelier	S. H. Spencer	Montpelier, Idaho
Morgan	C. Calvin Geary	Morgan, Utah
Moroni	Newel K. Young	Moroni, Utah
Mt. Pleasant	A. H. Anderson	Mt. Pleasant, Ut.
Murray	K. K. Blacker	Murray, Utah
Nephi	LeRoy Whitehead	Nephi, Utah
North Cache	E. M. Hicken	Richmond, Utah
	Roy A. West	Richmond, Utah

Seminary	Teacher	Address
North Sevier	Ernest Frandsen	Redmond, Utah
Oakley	Wesley P. Lloyd	Oakley, Idaho
Oquirrh	A. C. Nielsen	Salt Lake City
Panguitch	S. Ross Hunt	Panguitch, Utah
Paris	Roy A. Welker	Paris, Idaho,
Payson	John F. Oleson	Payson, Utah
Phoenix	May G. Kershaw	Phoenix, Ariz.
Piute County	A. C. Reynolds	Circleville, Utah
Pleasant Grove	Hyrum P. Jones	Pl. Grove, Utah
Pocatello		Pocatello, Ida.
Provo	J. A. Washburn	Provo, Utah
	Marg't Gardner	Provo, Utah
Rexburg	Leon M. Strong	Rexburg, Idaho
Richfield	Joseph W. Olsen	Richfield, Utah
Rigby	W. E. Berrett	Rigby, Idaho
Roosevelt	Stanley R. Gunn	Roosevelt, Utah
Rupert-Heyburn	Jesse L. Roberts	Rupert, Idaho
Shelley	H. A. Fitzgerald	Shelley, Idaho
Snowflake	William C. Smith	Snowflake, Ariz.
South Cache	J. Karl Wood	Hyrum, Utah
	M. W. Smith	Hyrum, Utah
South Summit	Silas L. Cheney	Kamas, Utan
Spanish Fork	E. Cecil McGavin	Spanish Fork, Ut.
	Laura Shepherd	Provo, Utah
Springville	W. T. Tew. Jr.	Springville, Utah
Star Valley	Ernest R. Clark	Afton, Wyoming
St. John-Eagar	David G. Thomas	St. Johns, Ariz.
Sugar City	H. L. Petersen	Rexburg, Idaho
Tooele	LeRoi Bentley	Tooele, Utah
Vernal	A. S. Cannon	Vernal, Utah
Wasatch	D. A. Broadbent	Heber City, Utah
Weber	F. G. Eyre	Ogden, Utah
	C. J. Jensen	Ogden, Utah
West Side	Ezra C. Dalby	Salt Lake City

Historical

The Brigham Young University, formerly designated the Brigham Young Academy, was founded by a deed of trust executed by President Brigham Young, October 16, 1875.

It is in charge of twelve trustees, elected triennially, by the vote of the Latter Day Saints, acting through the First Presidency of the Church of Jesus Christ of Latter Day Saints.

For many years it was dependent upon fees and the proceeds of the original endowment for its maintenance, but in recent years an annual church appropriation has been the chief source of its financial support.

Buildings—The first home of the institution was a mercantile building, standing on the present location of the Farmers and Merchants Bank.

Subsequently, this building, with several additions, was destroyed by fire. The school, however, resumed its sessions with the loss of but one day. The basement of the Stake Tabernacle, a store, and the First National Bank building housed the school for a short time.

From these temporary quarters it moved into the upper story of the Z. C. M. I. warehouse, at the corner of Sixth South street and University avenue. This was the home of the school for seven years.

In 1891 the school moved to what is now known as the Education building, a structure costing \$75,000, made possible chiefly through the personal credit of President Abraham O. Smoot and his associates on the Board of Trustees.

The College building, a gift of ten persons whose names are upon a marble tablet in a hall of the building, was erected in 1898. The responsibility for raising the funds for this building was undertaken volun-

tarily by Reed Smoot, a member of the Board of Trustees.

The Training School building was built in 1902, the cost of which was met by the contributions of friends of the school, chief among whom was "Uncle" Jesse Knight.

The Art building was erected in 1904, a gift of the nearby stakes comprising what was known at that time as the B. Y. U. academic district.

The Alumni Association, in honor of Dr. Karl G. Maeser, presented the institution with the Maeser Memorial building in 1911. The cost of this building was \$112,000.00. "Uncle" Jesse Knight contributed liberally to the Alumni Association in this project. The heating plant and furnishings were provided by the Church. This building was the first to be erected on University Hill.

The Women's Gymnasium, which is also a recreation building, was erected in 1913.

The Mechanic Arts building, on University Hill, was erected in 1919.

The Heber J. Grant Library building, also on University Hill was erected in 1925.

The last three named buildings were built by Church appropriations.

Campus—The first campus of the school was limited to a small playground back of the guilding which was destroyed by fire. The present Education building was erected in the center of a block 24 by 24 rods.

Then came the purchase of University Hill. As early as 1904 steps were taken to acquire land on this site. A purchase of seventeen acres was made from Provo City. A gift of something over seven acres came from the Fourth ecclesiastical ward of Provo; part of an acre was purchased by an alumnus, and the point of the hill by the student body. The remaining

area comprising the present campus of seventy-five acres, was purchased by the University, following a movement initiated by the Alumni Association.

Administration—The first faculty consisted of the principal and two assistants, Dr. Karl G. Maeser, Dr. Milton H. Hardy, and Kristina Smoot. Dr. Karl G. Maeser served as principal until 1891, when he was called to the general superintendency of Church schools. Dr. Benjamin Cluff, Jr., succeeded Dr. Maeser and served as the executive head of the school until December 22, 1903. Dr. George H. Brimhall succeeded Dr. Cluff and served the institution as president until April 26, 1921, when he was made president-emeritus. On the same date Dr. Franklin Stewart Harris was appointed president, taking office July 1, 1921.

Educational Growth—The first credential granted by the institution was a teacher's certificate given on the completion of one year's normal work. This was followed by a certificate requiring two years' normal work, followed later by the degree of Bachelor of Pedagogy, issued upon the completion of four years' normal work.

Later the Bachelor of Arts and Bachelor of Science degrees were authorized to be conferred upon the completion of the regular four year college courses.

Master degrees have been authorized since 1918.

On February 11, 1909, by an action of the General Church Board of Education the collegiate department of the University was designated The Church Teachers' College.

At the beginning of the school year 1920-21, the name Church Teachers' College was changed to School of Education, and the School of Arts and Sciences was established.

During 1921 a college of Commerce and Business Administration was organized and courses leading to

a degree of Bachelor of Science outlined. The names, School of Education and School of Arts and Sciences, were changed to College of Education and College of Arts and Sciences. At the same time an Extension Division, a Research Division, and a Graduate Division were organized.

January 25, 1922, a College of Applied Science was established to include the departments of Agronomy, Animal Husbandry, Art, Auto Mechanics, Drafting, Foods, and Nutrition, Horticulture, Household Administration, Textiles and Clothing, and Woodwork.

On April 21, 1925, a College of Fine Arts was established to include the departments of Art, Music and Speech.

During the year 1928-1929 the Y Stadium was completed, the name of the College of Commerce and Business Administration was changed to College of Commerce; and the Graduate Division was changed to Graduate School.

University Credits Recognized—The Brigham Young University is on the list of approved colleges of the Association of American Universities. It is also a member of the Northwest Association of Secondary and Higher Schools; the American Council on Education, and the Association of American Colleges.

ORGANIZATION

The Brigham Young University as now organized comprises:

1. A College of Applied Science
2. A College of Arts and Sciences
3. A College of Commerce
4. A College of Education
5. A College of Fine Arts
6. A Graduate School
7. An Extension Division
8. A Research Division

Elementary and Secondary Training Schools are maintained in connection with the College of Education.

DEPARTMENTS OF INSTRUCTION

Accounting and Business Administration
Agronomy
Animal Husbandry
Art
Botany
Chemistry
Drafting
Economics
Educational Administration
Elementary Teaching
English
Finance and Banking
Geology and Geography
History
Home Economics
Horticulture
Library
Mathematics
Mechanic Arts
Modern and Classical Languages
Music
Office Practice
Physical Education
Physics
Political Science
Philosophy of Education
Psychology
Secondary Teaching
Sociology
Speech
Religious Education
Zoology and Entomology

LYCEUM COURSE

For many years the University has brought to its students distinguished men and women in lectures, in dramatic art, and in music.

During the past year the following appeared on the course:

Richard Bonelli—Baritone of the Chicago Civic Opera Co.

Doctor Arthur C. Pillsbury—Inventor and Scientist.

Doctor Lewis Browne—Lecturer and author of "This Believing World", etc.,

Wm. L. Finley—Naturalist and writer.

Lucy Gates—Soprano.

George D. Pyer—Lecturer, and former manager of the Salt Lake Theatre.

Seumas Mac Manus—Lecturer.

LOAN FUNDS

The Emmeline B. Wells Relief Society Loan Fund.—In honor of Emmeline B. Wells, the General Board of the Relief Society has established a loan fund to assist young women to complete their school work. The lending of this fund is under the supervision of the Deans' Council.

Student Loan Fund.—The Sophomore class of 1922 established a loan fund to assist students to complete their school work. This fund is augmented each year, the Sophomore class assuming the responsibility for making an annual addition. The lending of this fund is under the supervision of the Deans' Council.

Harmon Foundation Student Loan Fund.—The Brigham Young University has been chosen by the Harmon Foundation as one of the limited number of colleges in the United States whose students may receive assistance in financing their education. Juniors and Seniors, up to a given number each year may bor-

row money from this fund. The Harmon Foundation is a strong financial organization now rendering financial assistance to students in many of the colleges in the United States. A faculty committee represents the University in making these loans.

Gamma Phi Omicron Loan Fund.—The Home Economics Club of the University (Gamma Phi Omicron) has established a loan fund to assist students of the Home Economics Department. The lending of this fund is under the supervision of the Deans' Council.

Alpha Kappa Psi Loan Fund.—The Alpha Kappa Psi has established a loan fund for senior students of the College of Commerce. The lending of this fund is under the supervision of the Dean's Council.

ASSOCIATED STUDENTS

General Organization.—This organization is composed of all students who attend Brigham Young University and is presided over by officers elected by them. It seeks to develop interest on the part of every student in all those activities which contribute to a more democratic "Y" spirit, and to furnish opportunities for all students to participate in those activities which interest them most. Through this organization, student traditions are kept alive. All interclass and intercollegiate activities are encouraged and unified by this organization. Forensic, dramatic and music activities are fostered by and are under its management and through it the students publish the school periodicals and also the University year book, the "Banyan." The organization also functions as an auxiliary of the school discipline.

Associated Women Students.—This is an organization comprised of all girls registered in the institution. Its purpose is to aid and foster all girls' activities. This organization is also a member of the Western Division of the National Organization of Associated

Women Students, which includes practically all of the universities and colleges in the United States.

The Presidents Club.—This club is composed of the presidents of all clubs, units, classes or any other student organization upon the campus. Its purpose is to keep union and harmony in student activities by keeping the organizations united, and to maintain a student union, rather than cliquishness, and club consciousness. The President of the Associated Students presides over it and calls the club together whenever it is thought advisable by the Student Council.

Block "Y" Club.—An organization of students who have won a Block "Y" in intercollegiate athletic or forensic competition. Its purpose is to foster the traditions of the school, keep alive the athletic and forensic spirit, encourage a true spirit of sportsmanship, and to meet visiting teams of athletes or debaters, and help to encourage friendly relations with sister institutions

STUDENT BODY PRIZES AND AWARDS

The Jex Gold Medal is awarded annually for the best patriotic oration. This medal is presented by the Jex family.

The Kirkham Medal, a gift of Francis W. Kirkham, to those who win their state inter-collegiate debates.

The Dixon Silver Cup, is presented for the best extemporaneous speech. It is given annually by Mr. Rulon Dixon.

The Dr. Horace G. Merrill Silver Loving Cup is awarded to the student of the University who shall attain first place in the annual Cross Country Run, held immediately preceding the Thanksgiving recess. Should a student win first place more than twice the cup becomes the property of such student.

CLUBS AND SOCIETIES

To enlarge the educational and social opportunities of the university, units, clubs, and societies are organized. In these groups, the spirit of the institution is fostered, and democracy is especially encouraged.

SOCIAL-UNIT ORGANIZATION

The University recognizes proper social development as one of the important by-products of college training. For many years this social opportunity has been provided through the class and club organizations of the institution, but in recent years these organizations have become too large to provide students with the intimate social contacts, and opportunities for leadership which are thought desirable.

To provide suitable opportunity for the fulfillment of this purpose the Social Unit Organization was adopted.

The plan provides that every student in the University shall belong to a Social Unit. These units include from twenty to thirty members, grouped on the basis of sex, social interest and congeniality. The whole scheme is democratically controlled by the Social-Unit Committee, which consists of members from faculty, classes, and other organized groups in the University. The Inter-Social-Unit Council, made up of representatives from each Social Unit, has jurisdiction over the internal affairs of the Units, such as fees, costs of entertainments, etc.

The Social Units are doing much to keep alive the social ideals of the University and to perpetuate the democratic social traditions characteristic of the Student Body.

DEPARTMENTAL ORGANIZATIONS

This group of organizations has the specific purpose of bringing together persons of similar scholastic interests and of rendering their work more pleasurable and profitable. Each group will foster the activities of the department to which it is allied. The eligibility rules thereof will be such that any member of the department may qualify for membership by meeting the scholastic requirements imposed by the organization. The fees will be reduced to a minimum. Each organization will have a faculty advisor. The following departmental clubs and societies have been organized:

The "Ag" Club.—This organization is open to all students of Agriculture, the purpose being to meet and receive instruction from men who have succeeded practically and scientifically in the agricultural work of the state. Meetings are held every alternate Wednesday afternoon. Social functions in conjunction with the Home Economics department are featured during the year.

Art Club.—This organization is for the benefit of students having special talent in any particular phase of fine art and applied art. Lectures on practical topics in connection with arts and crafts are given by members of the faculty and other recognized educators. Exhibitions of artists and of craftsmen's work are held under the auspices of this organization.

Drama League.—The purpose of this league is to foster the art of reading and dramatics, to appreciate paintings and music, and to give opportunity to its members to hear lectures and readings from the best talent of the state as well as those who are on the lecture platform and the stage. The society meets weekly. It is affiliated with the Drama League of America.

French, Spanish, German, and Latin Clubs.—

Teachers and students interested in the study of French or Spanish or German or Latin are organized into clubs. These clubs meet twice a month and enjoy programs of songs, talks, reports, games, etc., in which the foreign language is the medium of speech. The clubs are in the fullest sense student organizations. Membership is open not only to students but also to all people within easy reach of the University who have studied or are studying the modern languages. Membership privileges are especially extended to people of the community of French, German, Spanish or Spanish-American birth.

Home Economics Club.—The club is organized to create a professional spirit among the students of Home Economics. Regular meetings are held at which interesting lectures are given. Special activities are fostered. All girls registered in Home Economics courses are eligible for membership.

Gamma Phi Omicron.—(Home Economics.) An organization of the advanced students majoring in some phase of Home Economics. Its purpose is to develop culture and scholarship among its members, and to lend its aid in establishing better homes and community life.

Literary Club.—The purpose of this organization is to develop greater appreciation of good literature and to give opportunity for practice in oral and written expression. Carefully prepared lectures on literary topics and dramatic readings will be given by advanced students, members of the English faculty, and others.

Music Society.—This society meets conjointly with the Drama League and alternately furnishes programs of varied musical importance. Leading musicians of the state will augment local talent in producing some of the world's greatest music. Membership

in this society entitles admittance to all Drama League activities.

Young Commerce Club.—This club is a student organization devoted to the development of good fellowship among the business students. Luncheons and programs are given at regular intervals during the school year at which prominent business and professional men of the inter-mountain country are the principal speakers. All students of the College of Commerce are eligible for membership.

Young Education Association (Y. E. A.)—An organization of all students working for the two-year normal diploma. Its purpose is to foster fellowship and sociability among its members, and to encourage their educational life by bringing in prominent educational speakers.

Young Women's Missionary Club.—An organization of women students who have been engaged in active missionary service. Its purpose is to preserve the missionary spirit among the students and alumnae of the University and to render help where possible to women missionaries in the field.

Delta Phi.—An organization open to all male students who have done regular missionary work. Its purpose is to foster fellowship, missionary ideals, and sociability. Luncheons and programs are given during the school year at which prominent men of the Church and State are the principal speakers. This chapter is associated with like chapters at the Utah Agricultural College, Weber College, and the University of Utah.

Psychology Club.—An organization to foster a better understanding of scientific psychology, and to supplement the regular courses of the department by affording the opportunity of discussing certain current problems by advanced students and outside speakers.

David Starr Jordan Biology Club.—This organiza-

tion is open to all who have shown special interest in the fields of Biological science. The club aims to develop interests in all forms of biological study and has, for its major project, the building of a library of natural science literature. During the past two years some 250 volumes have been collected by club members. The increasing animal and plant collections of the department and the new laboratory at Utah Lake, offer interesting material for new students. Special lectures by eminent state naturalists, have proved to be of the greatest interest and educational value. Outside of resident students, the membership consists of faculty members, alumni and prominent townspeople.

Graduate Club.—This club is an organization of the students of the University who are pursuing graduate study. The purpose of the organization "shall be to foster fellowship among its members; to stimulate a desire for higher learning; to assist in finding and developing leadership in the communities; and to use every effort to enhance the interests of the Brigham Young University." A student becomes a member automatically upon registration in the graduate division.

Geographical clubs are organized for the futhering of social enjoyment and the establishing of bonds of sympathy between the school and the home.

NATIONAL FRATERNITIES

Theta Alpha Phi.—National professional dramatic fraternity—co-educational.

Tau Kappa Alpha.—Honorary national debating fraternity. Those who engage in inter-collegiate debating and oratory or who attain marked distinction in forensic activity are eligible to membership.

Alpha Kappa Psi.—(Commerce). (Beta Delta Chapter). The purpose is to foster studies in com-

merce, encourage scholarship and association between members and the commercial world. Male College of Commerce students above freshmen standing are eligible for membership.

Beta Beta Beta.—(Phi Chapter).—Installed January 31, 1931. An international honorary biological fraternity, which emphasizes a three-fold program: sound scholarship; dissemination of scientific knowledge; and promptness of biological research. All junior and senior students having twenty-four hours of biological credit are eligible for membership.

NON-STUDENT ORGANIZATIONS

B. Y. U. Women's Organization.—The purpose of this organization is to foster the ideals of the institution and to help furnish recreation and social amusement for the faculty. A woman is eligible for membership in this organization and becomes a member on payment of dues provided that at the time she seeks admission she is either: (1) a present faculty member, (a faculty member is one who holds at least the rank of instructor); (2) a past faculty member; (3) a matron; (4) a board member; (5) the wife of a faculty member who has died in the service of the school; (6) the wife of a present faculty or board member.

Faculty Fine Arts Club.—This club is organized to develop and maintain a closer co-operation among the members of the fine arts faculty; to increase the appreciation of each member for all arts; to keep the members aware of what is going on in the various fields of fine arts; and to encourage among the members original creation in music, literature, painting, etc.

Faculty Forum.—The purpose of this organization is to stimulate scientific research. Opportunity is afforded the faculty to hear papers dealing with problems of interest in the various fields of science.

SCHOLARSHIPS AND PRIZES

Maria Y. Dougall Scholarship.—A scholarship for girls, representing \$30.00 awarded annually on the recommendation of Mrs. Maria Y. Dougall of Salt Lake City.

Eliza A. Wollacott Scholarship.—A scholarship for girls, representing \$30.00 awarded annually through the recommendation of President Emeritus G. H. Brimhall.

Firmage Scholarship.—This scholarship is given by J. L. Firmage of the Firmage chain of J. C. Penney Stores and manager of the J. C. Penny store of American Fork. The award consists of \$100.00 to be given to some worthy student selected by the College of Commerce faculty. In awarding this scholarship preference is to be given applicants from the Alpine School District.

Firmage Band Scholarships.—For the encouragement of worthy students interested in band music, J. L. Firmage has established, also, two band scholarships of \$50.00 each.

Van Wagenen Band Scholarship.—For the encouragement of worthy students in the line of band music, Mr. Alma Van Wagenen of Provo has established an annual scholarship of \$50.00.

Annual Commercial Contest Scholarships.—Two scholarships are awarded to the winners of the shorthand and typewriting events in the Commercial contest for high school students held at the University each year.

Alpha Kappa Psi Ring.—The Alpha Kappa Psi organization awards annually a ring to the most scholarly

student of the College of Commerce, above the freshman year, during the autumn and winter quarters.

The Oscar B. Young Prize.—An award of \$50.00 given annually by Professor Kimball Young for the best essay on some phase of **Mormon Community Life**. The adjudication is under the supervision of the department of Sociology.

The Talmage Prize.—Dr. James E. Talmage offers a cash prize of twenty-five dollars to the student who writes the best acceptable essay on some religious topic.

The Coleman Prizes.—Mr. Jacob Coleman of Provo offers annually three prizes for the best papers on some phase of life insurance. The first prize is \$25.00; the second prize \$15.00; the third prize \$10.00.

AWARDS

Provo Chamber of Commerce Medal.—The Provo Chamber of Commerce presents annually a gold medal to the most efficient student in the University, based upon scholarship, social status, and public service.

The Elsie Chamberlin Carroll Medal.—Mrs. Elsie Chamberlin Carroll presents annually a gold medal to the student (girl) of the University writing the best short story.

The Adams Gold Medal.—Mr. and Mrs. Walter Adams present annually a gold medal to the student who renders best two selected compositions on any stringed instrument other than the piano. One selection is to be by an American composer, the other by a recognized artist.

The Taylor Gold Medal.—Mr. Lester R. Taylor presents annually a gold medal to the student who renders best a piano selection, the composition to be by a recognized artist.

The Pardoe Gold Medal.—Professor and Mrs. T. Earl Pardoe present annually a gold medal to the student rendering the best selection on any wind instrument. One selection is to be by an American composer, the other by a recognized artist.

The Woolley Gold Medal.—Miss Mary Woolley presents annually a gold medal to the student giving the best rendition of a dramatic reading.

The Stein Gold Medal.—Mr. J. Edwin Stein offers annually a gold medal for the most efficient athletes. Efficiency is based upon participation in athletics, scholarship, and social activity.

The R. R. Irvine Medal is presented annually for excellence in oratory, subject to be based upon some economic problem.

The Sophomore Class, 1921, Gold Medal is awarded annually for excellence in vocal art.

The Noble Medal.—Mrs. Hazel Noble Boyack offers annually a gold medal to the most efficient senior student enrolled in the Home Economics department. The selection of such student will be made by the faculty of the Home Economics department.

The Provo Drama Center, Mask Award.—A prize of twenty-five dollars is given each year for the best one-act play of merit, on a Western or pioneer theme.

Provo Rotary Club Gold Medal.—A gold medal awarded to the winner of an oratorical contest on some subject of international good will.

Studio Guild Medal.—A gold medal is awarded annually by the Studio Guild for the best landscape painting done in any medium. Members of the Art department faculty and the officers of the Studio Guild make the selection.

Dramatic Service Awards.—The Dramatic Art department awards annually a dramatic honor pin to each of three students who have given the most helpful service to the University and to the community during the year.

Egbert Gold Medal.—Miss Anna Egbert gives a gold medal for the most efficient debater each year. The award is made in honor of her father, Robert N. Egbert.

The Evans Competitive Acting Award.—Mr. Edmund Evans offers annually a watch for the student, who, in the estimation of a group of judges, plays the best sustained role in the annual competitive play.

The Evans Gold Medal.—Mr. Edmund Evans offers annually a gold medal to the most efficient graduate in the Speech department. Efficiency is based upon participation in speech activities, social activity, and scholarship.

ACCOMMODATIONS

The university emphasizes the value of home life and the people of Provo have shown great educational patriotism in providing for the comfort and convenience of students. About two weeks before the opening of school, the standing faculty committee on student accommodations will prepare a list of available lodging places. The boarding houses are inspected to see that accommodations are satisfactory. The University insists that boys and girls be housed separately. If students desiring accommodations will call on the committee when they arrive in Provo they will be directed to the kind of place they wish.

The price of accommodations at private homes varies as it does at hotels and rooming houses, the rate

depending upon what the student wants and his willingness to pay.

DISCIPLINE

The maintenance of standards of honor, Christian integrity, and Latter-day Saint ideals is required. Within these limits the students are given the fullest freedom. Those who fail to conform to these standards either in personal habits or associations are subject to discipline.

The use of tobacco will not be permitted, and having improper associates or visiting places of questionable repute will not be tolerated.

All social functions given by any organization of the school are under the direction of the standing committee on socials. Any disciplinary announcement made by the executive of the institution becomes a part of these regulations. Violations of regulations makes the offender liable to suspension or expulsion.

Regular attendance is required at all recitations, laboratory and field work. The committee on attendance and scholarship has general supervision of the disciplinary work of the institution. Regular students who are not satisfactorily carrying at least ten hours work will not be allowed to remain in the institution.

FUNCTION OF THE MEDICAL DIRECTOR

The principal function of the medical director is to conduct the physical examinations of the students and to look after the general health conditions of the school. In addition all students have the privilege of free consultation with him at his university office during scheduled office hours, or by appointment. He will gladly respond to all calls to investigate the presence of contagious diseases, but he cannot assume

the responsibility of furnishing free treatment for such cases, as is done in schools where the students pay a medical or hospital fee. However, if those students who are unable to pay for necessary service are reported, efforts will be made to see that they are taken care of. No charge will be made for first aid service to persons injured in athletic contests or other forms of school activities, except for material used.

DEAN OF WOMEN

The Dean of women is charged with the general oversight of all women students, and is always ready to aid and advise them in matters pertaining to their university life. She will not only attend to the special needs of young women during school hours, but will use every precaution to see that they are properly cared for at their boarding places. All women students are required to leave a directory card with the Dean of Women when they register.

LIBRARY

The University Library contains about 65,000 volumes and 50,000 pamphlets and bulletins. Besides being a Government Depository, it is regularly supplied with public documents from many of the states, and the publications of the Carnegie Peace Foundation, the Carnegie Institution of Washington, and many other technical organizations. It maintains its own book bindery.

The Library is open each school day during the regular school year from 8 a. m., till 10 p. m.; on Saturday from 10 a. m., till 4 p. m.; and during the summer session from 7:30 a. m., till 8 p. m.

SPECIAL SCIENTIFIC COLLECTIONS

The Zoological and Entomological Collections of the University consist of a large series of identified invertebrate and vertebrate species of Utah and contiguous states.

The Entomological Collection consists of over 50,000 specimens; the Tom Spalding collection of Utah lepidoptera, the Chester Van Buren Collection of South American Butterflies, some Weevils from the Blatchley Collection form important portions of this collection.

A complete series of the fish, amphibians, reptiles, birds and mammals of this region are to be found in the collection. The fish collection is especially rich in species and specimens from the intermountain region. There is also a collection of Hawaiian fish made by Dr. David Starr Jordan. Specimens of practically all the species of amphibians and reptiles of Utah and many species from various portions of the United States are in the collection. The bird collection consists of about 1700 skins; 1,000 of which were collected in the Magdalena River Valley of South America by Chester Van Buren in 1901-03. This collection is being added to annually by means of collecting expeditions that are sent out to various parts of the Western United States.

GENERAL REQUIREMENTS FOR UNDER-GRADUATE WORK

ADMISSION

A student seeking admission to any of the colleges of the University must be a graduate of an accredited high school, or he must present sixteen units of approved high school work which must be acquired during four school years, or he must pass an examination in a sufficient number of subjects to make sixteen units. In no case shall fewer than twelve of the sixteen units be acquired during the last three years of high school—this provision to go into effect in 1932-1933. He must offer among his credits the following:

English	3 units
A principal group	3 or more units
A secondary group	2 or more units

The principal and secondary groups must be selected from either Mathematics and Science or from History and Social Science. At least one unit in Mathematics, either Algebra or Geometry, must be included in either the principal or the secondary group—this provision to go into effect in 1932-1933. If the principal group is from Mathematics and Science, the secondary group must be from History and Science, or vice versa.

To facilitate registration, a student seeking admission is requested to forward an official copy of his credits to the Registrar not later than September 1. If blanks for this purpose are not to be had at the local school, they may be obtained from the Registrar of the University.

In case a student is unable to furnish an official transcript of credits on or before the day of registra-

tion, he may be admitted tentatively, provided the committee on admission and credits is convinced he can furnish such transcript and otherwise meet the entrance requirements within thirty days. During this tentative period he will be rated as unclassified.

A student of twenty-one years of age or over, who has not completed sixteen units of high school work, but shows ability to do special work, may be admitted to any of the colleges of the University. Ability to do special work must be certified to by the heads of the departments concerned. He may pursue any course for which he has sufficient foundation, and will be rated as an unmatriculated student. To become a candidate for a degree such student must meet the entrance requirements.

A student who has met the entrance requirements but who is carrying fewer than eight hours of work will be designated as a special student.

COURSE DIVISIONS

Undergraduate courses of study are divided into:

- (a) Lower Division.
- (b) Upper Division.

Lower Division courses are numbered in the catalogue from "1" to "49", Upper Division courses from "50" to "99". Graduate courses are given numbers above "100".

ELECTION OF STUDIES

The student, in electing his studies, should with the advice and approval of the dean of the college in which he registers, elect such studies as are desirable. The major and minor, as well as the general, requirement for graduation should be kept in mind in electing studies. Physical Education, 11, 12 and 13 are re-

quired of Freshmen, except that in the College of Education Freshmen may take Physical Education 21 and 22 instead of 11 and 12. Sixteen hours of credit a quarter is the maximum amount of work to be elected. Permission to register for additional work can be secured through petition only. Should a resident student desire to take courses by correspondence or in extension classes, the approval of the student's dean must be secured, and the correspondence or extension work entered upon the regular registration card.

This regulation applies to extension work as well as to that taken in residence. Excess work taken by correspondence or extension class not approved in the usual manner, will not be recorded for credit. Resident students of other institutions who apply for correspondence or extension class work, at this University, must have their proposed registration approved by the president of the institution in which they are registered. Students wishing to transfer correspondence credits from other institutions are subject to examination by the University department concerned.

At least five quarters of lower division work should be completed before the student registers for upper division work, unless in certain sequences the dean with the consent of the instructor advises otherwise. Included in the lower division work must be English 1, 2, 3; and for the A. B. degree twelve hours in foreign language work. It is recommended that as far as possible group requirements be completed by the close of the sophomore year.

CLASSIFICATION OF STUDENTS

A regular student with fewer than forty-five hours credit at the beginning of the school year will be classed that year as a Freshman.

A regular student with more than forty-five hours credit and fewer than ninety at the beginning of

the school year, will be classed during that year as a Sophomore.

A regular student with more than eighty-nine hours credit and fewer than one hundred thirty-five at the beginning of the school year, will be classed during that year as a Junior.

A regular student with more than one hundred thirty-four hours credit at the beginning of the school year, will be classed during that year as a Senior.

CREDITS

A student may have credit entered on the books of the University as follows: 1. For work done in the regular courses offered by the institution. 2. For work done in an accredited college when such credit is to be used for graduation from the University, the amount to be determined by the committee on credit. 3. By passing a satisfactory examination in any course offered by the University under the supervision of the head of the department concerned. Credits from other schools should be filed with the Registrar upon entrance.

Special examination for advance credit will be given only with the consent of the head of the department concerned, the dean of the college in which the student is registered, and the committee on credit.

A condition in any course of study must be removed during the next quarter of residence, provided the next quarter of residence is not longer than one year after such condition is incurred; otherwise the course must be retaken in class or a special examination taken, if credit is desired.

A fee of \$2.50 per credit hour is charged for special examinations, provided the total fee for any one subject does not exceed \$20.00.

GRADUATION

GENERAL REQUIREMENTS

For a student to be admitted to candidacy for a diploma or a degree, his scholastic record must show that he has satisfied the entrance requirements, and that he can fulfill all the requirements for graduation on the completion of the courses for which he is registered. At the time of graduation each candidate must be properly registered in the University, and must have completed at least forty-five hours of work in residence.

The following graduation requirements apply to all candidates for a bachelor's degree from any of the colleges of the University:

Total amount of credit	186 hours
Requirements for a major	30 hours
Requirements for a minor	20 hours

Group Requirements:

Mathematics and Physical Science	12 hours
Biology and Psychology	12 hours
Social Science,	12 hours
English and Foreign Languages --	18 hours

Lower Division courses required:

English 1, 2, and 3.

Physical Education 11, 12, and 13.

A candidate for a Bachelor of Arts degree is required to furnish 24 hours credit in a foreign language.

Not more than 15% of undergraduate credit designated by a grade of "D" or its equivalent will be permitted to apply toward graduation.

Students who expect to be graduated at the end of the spring quarter should file application with their dean not later than the beginning of the winter quarter.

All conditions must be removed not later than ten days before graduation.

Students who fulfill all requirements for graduation at the close of the Summer School and who have filed application for graduation not later than thirty days preceding the close of the spring quarter may have their graduation certified to by the proper authorities of the University, but they shall not be publicly graduated until the annual commencement of the following year.

The University reserves the right to change the requirements for graduation. A candidate for graduation will be asked to comply with all changes which pertain to the uncompleted portion of his course. The University Council is the body authorized to prescribe requirements of graduation and to pass on candidates.

Lower Division Requirements

Ordinarily the object of the first two years of the University curriculum is to introduce the student to fundamental fields of human interest and to provide a broad basis for later specialization. In order that these purposes may be achieved, certain studies should be completed under the direction of the respective deans. Before a regular student will be permitted to register for more than five quarter hours of upper division work during any one quarter, he must choose or be tentatively assigned to a major professor and have completed the number of hours prescribed in each of the following groups:

1. **Mathematics and Physical Science—12 hours.** (Mathematics, Chemistry, Physics, Geology and Geography). Not more than six quarter hours in one department may be counted in fulfilling this requirement. At least one of the courses taken must require no fewer than two hours of laboratory work each week.

2. Biology and Psychology—12 hours. (Botany, Zoology and Entomology, Psychology). Not more than six quarter hours in one department may be counted in fulfilling this requirement. At least one of the courses taken must require no fewer than two hours of laboratory work each week.

3. Social Science—12 hours. (Economics, History, Political Science, Sociology, Rural Economics). Not more than six quarter hours in one department may be counted in fulfilling this requirement.

4. English and Foreign Languages.—18 hours, at least 12 hours of which must be in English. This group must include English 1, 2, and 3. In case a student has credit for at least two units of foreign language taken in high school, this group may be reduced to 14 hours.

Upper Division Requirements

At least sixty hours of upper division work must be furnished by students applying for graduation.

At the beginning of his Junior year each student should select his major professor who, in connection with his dean, will serve as his special faculty advisors. At the time of his graduation he must have completed no fewer than thirty quarter hours in the department in which he is majoring, and no fewer than twenty hours in a collateral or minor subject which meets the approval of his dean and his major professor. He must also satisfy any special departmental requirements announced in the catalogue.

In cases where the prospective graduate's high school and college work shows marked evidence of deficiencies in grade of scholarship, in breadth of train-

ing, or a preparation for probable future activity, the dean may use his discretion in prescribing certain specified courses to the extent of fifteen quarter hours according to the needs of the particular student.

THE GRADUATE SCHOOL

All graduate work leading to higher degrees is now administered under the direction of the Graduate School.

Character of Graduate Work—The essential aim of graduate study is to develop the power to do independent work and to encourage the spirit of research. Each candidate for a higher degree is expected to possess a broad, general knowledge of his major and a fair degree of information in his minor subject.

Registration.—All students pursuing graduate work are to be registered by the Dean of the Graduate School.

Students holding a Bachelor's degree equivalent to that conferred by the Brigham Young University will be admitted to graduate work without examination.

If during any quarter of the senior year a candidate for a baccalaureate degree finds it possible to complete all requirements for such degree with a registration of fewer than sixteen hours of undergraduate credit, he may register with the Dean of the Graduate School for enough graduate credit so that the total registration shall not exceed sixteen quarter hours during such quarter.

Admission to graduate courses is granted only to those who have the requisite undergraduate work in those courses or departments. In order adequately to determine this fact the student should file with the Dean of the Graduate School an official transcript of his

undergraduate courses at the time that he registers for graduate study.

Each graduate student must submit his course of study and the title of his thesis to his major professor and the Dean of the Graduate School for approval. Changes in registration may be made only with their consent.

Graduate credit is given under the following conditions: (1) The courses for which graduate credit is given must be definitely catalogued as courses carrying graduate credit. (2) Only those students who are eligible to receive graduate credit at the time a course is taken will receive graduate credit for such a course.

Admission to Candidacy.—Registration for graduate study does not admit a student to candidacy for a higher degree. A graduate student who has been in residence one quarter or more, whose thesis subject has been approved, and who has given evidence of ability to do work of a graduate character may be admitted to candidacy for a higher degree by vote of the University Council. The mere accumulation of credits does not necessarily indicate ability to do graduate work. All applications for admission to candidacy for a higher degree should be made to the Dean of the Graduate School.

Requirements for the Master's Degree.—Two higher degrees are offered: Master of Arts, (M. A.) provided the candidate meets the foreign language requirement for the A. B. degree; and Master of Science (M. S.) if the candidate does not meet the foreign language requirement for the A. B. degree: A student may be admitted to candidacy upon the completion of the following requirements: (a) The candidate must after securing a Bachelor's degree, furnish 48 hours of graduate credit, approved by the Dean of the Graduate School and major professor, 32 hours of which must be

in residence, in addition to 186 hours of college credit, and 16 units of high school credit. (b) A thesis must be submitted based on work done in some field of investigation within the major department, and which must show evidence of independent research. The final acceptance of the thesis shall be under the supervision of a committee to be known as the Thesis Committee. This Committee shall consist of the major professor and two other persons to be selected by him. The thesis must be completed at least ten days before the final examination. (c) At least fifteen days before graduation, the candidate must pass an oral examination to be given by a committee to be known as the Examining Committee. This Committee shall consist of five members including the Dean of the Graduate School, the major professor, and three other members to be selected by them.

The candidate shall furnish complete copies of his thesis to his major professor and to the Dean of the Graduate School at least five days before the date of the final examination. (d) A bound typewritten or printed copy of the thesis must be furnished the University library. Before the degree is granted the candidate must file with the Dean of the Graduate School a statement from the Librarian acknowledging the receipt of this copy. (e) A candidate for a Master's degree must secure a grade of "B" or above in three-fourths of his graduate work. No grade below "C" will count toward a Master's degree. (f) An applicant for this degree must furnish at least one half of his graduate credit in his major subject. The rest of the credit for this degree must be offered in work closely related to the major subject.

SCHOLARSHIP HONORS

In recognition of meritorious work, scholarship honors are granted to members of degree graduating classes in accordance with the following.

First. There shall be two degrees of honor: Graduation with Honor, and Graduation with High Honor.

Second. The awards shall be made on the basis of excellence shown in the upper division or graduate work done in the Brigham Young University.

Third. To receive the award of Graduation with Honor a student shall have a record of not fewer than thirty hours of upper division work showing "A" grade and not fewer than fifty hours of such work showing "A" and "B" grades.

Fourth. To receive the award of Graduation with High Honor a student shall have a record of not fewer than forty hours of upper division work showing "A" grade, and not fewer than fifty-five hours of such work showing "A" and "B" grades.

Fifth. The number of graduates receiving honors shall not be greater in any year than one-fifth of the number of students graduating. In the event that more than one-fifth of the graduates shall meet the honor requirements set forth above, the subjects to receive honors shall be chosen as follows: The number of hours of "A" grade of each subject shall be multiplied by "1½", and the number of hours of "B" grade by "1." The one-fifth of the graduates receiving by this process the highest product totals shall receive honors.

Sixth. It shall be the duty of the Committee on Graduation to make selection of candidates in accordance with these provisions.

Seventh. The announcement of honor awards is to be made at the annual commencement exercises.

Term Honors.—The University will post and publish at the close of each quarter of the regular school year the names of the one graduate student, the five senior college students (juniors and seniors), and the five junior college students (freshmen and sophomores) who have received the highest grades in class work during the quarter.

Class grades are to be used exclusively in determining honors, except in case of a tie, when the general school activity of the student shall be considered. The basis of the computation shall be credit hours times grade; and an "A" shall count one and one-half times a "B."

Colleges

COLLEGE OF APPLIED SCIENCE

The aim of the College of Applied Science is to provide instruction in the scientific principles and technical operations pertaining to the farm, the home, the shop, and the professions, trades, and industries related to the same. Students may specialize in any one of the many fields of applied science and prepare for capable leadership and efficient service in their chosen lines.

Majors may be selected from the following departments in the College of Applied Science: Agronomy, Animal Husbandry, Horticulture, Home Economics, Drafting, Mechanic Arts, Rural Social Economics.

The work offered will be of standard collegiate grade and upon completion of the required amount of study in fundamental subjects, specialized courses, and related work a student may be granted the degree of Bachelor of Science or Bachelor of Arts.

COLLEGE OF ARTS AND SCIENCES

The primary purpose of the College of Arts and Sciences is to meet the needs of students who desire a broad and liberal education that will enable them to find and take their places in the complex civilization of today. Abundant opportunity is provided for those who have ambition for specialized study in engineering, medicine, law; or who desire to train for religious, political or social leadership. Preparation for original investigation in the fields of this college is emphasized. Students who wish to build a foundation for advanced degrees will find this college rich in opportunity.

Students may select their majors from any of the following departments in the College of Arts and Sciences: Botany, Chemistry, English, Geology and Geography, History, Mathematics, Modern and Classical Languages, Physical Education, Physics, Political Science, Psychology, Sociology, and Zoology and Entomology. The degrees Bachelor of Arts and Bachelor of Science are given to graduates of this College.

COLLEGE OF COMMERCE

The purpose of the College of Commerce is to provide training for leadership in finance and industry. Courses are so arranged that students will be given the training that will best fit them for analyzing business conditions for efficiency in office administration and for the demands of the industrial and financial world. The degrees Bachelor of Science and Bachelor of Arts are given to graduates of this College.

Majors may be selected from the following departments: Finance and Banking, Accounting and Business Administration, Economics, and Political Science.

COLLEGE OF EDUCATION

The College of Education is one of the professional schools of the University. Its principal function is the training of teachers, principals, supervisors, and superintendents. This college aims to meet the requirements of the Utah State Board of Education for the various grades of elementary and high school certification and for certificates and diplomas in administration and supervision.

The College of Education is made up of two constituent divisions, namely: The department of academic instruction, and the training schools.

The following departments are at present organized: Elementary Teaching, Philosophy of Education,

Psychology, Educational Administration, Secondary Teaching.

In addition to the foregoing departments for majors and minors in the College of Education, students of this college may major in any department of the University, which department requirements they fulfill, provided they take at least thirty hours in professional educational subjects.

Training Schools.—Two training schools are established: first, an elementary training school organized for practice teaching for those preparing for kindergarten and elementary school work; Second, a secondary training school, which offers training in the six years of high school, and gives ample opportunity for practice teaching to advanced students.

The degrees of Bachelor of Arts and Bachelor of Science are given to graduates of this College.

RECOMMENDED COURSE SEQUENCES

Students Majoring in Elementary Teaching

1. Regular freshmen and sophomore courses leading to normal diploma.
2. Psychology 72, 77, Elementary Teaching 60 in junior year.
3. Elementary Teaching 61, 62, 63, Educational Administration 75 and 79 in senior year.

Students Majoring in Secondary Teaching

1. In freshmen and sophomore years a teaching major should be planned and the following courses taken: Philosophy of Education 36 and Psychology 11.
2. Psychology 72 and 77, Secondary Teaching 81, Educational Administration 46, 73, Philosophy of

Education 87 or other electives in Secondary Teaching in junior year.

3. Secondary Teaching 51, 52, 54 and electives in Secondary Teaching in senior year.

Students Majoring in Educational Administration

1. In freshman and sophomore years regular group requirements should be taken with Philosophy of Education 36, Psychology 11, and Elementary Teaching 5. It is better to take a regular teaching course and have teaching experience before majoring in Educational Administration.

2. Educational Administration 73, 60, 61, 62, 63, 79, Psychology 72, 73, 78, in junior year.

3. Educational Administration 75, 80, 111, 112 in senior year.

Students Majoring in Philosophy of Education

1. In freshman and sophomore years regular group requirements should be taken with Philosophy of Education 33.

2. In the junior year Philosophy of Education 74, 81, 84 and Psychology 72, or Philosophy of Education 72 or 92.

3. In the senior year Philosophy of Education 85, 86, 87, 88, 90 and 89 or 99.

4. With the approval of the major professor certain courses from other departments in the College of Education may be substituted for certain courses in the above list.

Special Teaching Courses

Elementary teachers are expected to take a two-year course leading to the normal diploma which is

granted to students registered in the College of Education, who complete two years of college work including English 1, 2, and 3, and the following technical courses in teaching: Elementary Education 1, four hours; Psychology 21, three hours; Zoology 20, three hours; Elementary Education 12 and 13, eight hours; either Elementary Education 6 and 7, 8 and 9, or 10 and 11, six hours; Elementary Teaching 16, twelve hours; Physical Education, three hours; Elementary Education 5, three hours, and enough electives to make a total of forty hours in education.

The proper sequence for these courses is as follows:

Freshman year: Elementary Education 1, Psychology 21, Zoology 20, Elementary Education 12, 13; English 1, 2, 3; Physical Education.

Sophomore year: Methods, Elementary Education 16, Elementary Education 5.

This diploma is an endorsement of the student's fitness to teach in the elementary schools and will enable the student to secure a first class certificate from the state. Because of the size of the training school only a limited number of students can receive training each year.

Junior high school teachers are expected to complete three years of college work including the same special requirements made of senior high school teachers, a teaching major of 30 hours or two minors of 18 hours each.

The Utah State Board of Education prescribes the following for an applicant for a Utah Five-Year High School Certificate:

"That he has completed a standard college course of four years or its equivalent.

That he has a teaching major of 30 quarter hours in one subject taught in Utah high schools, and one

teaching minor of 18 quarter hours in one subject taught in Utah high schools.

That he has completed 3 quarter hours of work in health education, 5 quarter hours in ethics or sociology, and 5 quarter hours in political science or economics.

That he has at least 27 quarter hours of credit in education, including at least 8 quarter hours in secondary training, 3 quarter hours in science or principles of education, 3 quarter hours in organization and administration of secondary education and 3 quarter hours in educational psychology.

Deviation from any of these electives should be made only with the approval of the School of Education giving the course."

COLLEGE OF FINE ARTS

The policy of the University has always provided for a liberal patronage of the fine arts. A constantly growing desire to offer greater opportunities to those whose inclinations and talents lead them into this field resulted in the organization of the College of Fine Arts.

With an exceptionally well prepared faculty, who have received the benefits of extended study and travel in recognized art centers, and adequate physical equipment in each department, this college is able to do work of high scholastic standing.

Any course offered in this college, leading to a degree, is the cultural equivalent to other college courses differing from them mainly in respect to the emphasis placed upon the study of the fine arts.

At present the following departments are fully organized: Art, Speech, and Vocal and Instrumental Music. Majors may be selected from the work offered by these departments. Graduates of this college may receive the degree of Bachelor of Arts or Bachelor of Science.

Courses of Instruction

ACCOUNTING AND BUSINESS ADMINISTRATION

Professors Hoyt, Eastmond, Poulson, Clark, Hansen, Nelson;
Marshall; Associate Professor Boyle;
Assistant Professor Jensen.

Lower Division Courses

1. Elementary Accounting.—Autumn and Winter. Daily. Autumn 1:30; Winter 10:30. Daily laboratory 1:30-3:30, one hour of which is required each day. Five hours credit. Boyle and assistant.

An introduction to college accounting. The aim of this course is two fold: first, a preparation for those who plan to enter business at once, and second, as a foundation course for advanced work in accounting.

2. Elementary Accounting.—Winter and Spring. Winter 1:30; Spring, 10:30. Daily laboratory, 1:30-3:30, one hour of which is required each day. Five hours credit. Boyle and assistant.

Continuation of course 1.

14, 15, 16. Commercial Art. Autumn, Winter or Spring, M. W. F., 10:30. One or two hours credit. Jensen.

Show card writing; poster art; advertising arrangement. Psychology of line, form and color.

17, 18, 19. Process Illustrating—Autumn, Winter, Spring, T. Th., 2:30. Two hours credit each quarter. Eastmond.

Methods of drawing and painting for illustration. Drawing of the various process methods for modern engraving. Practical illustration. Prerequisite Art 7 and 14.

22. Principles of Marketing.—Autumn, M. W. F., 10:30. Three hours credit. Hoyt.

An elementary course in marketing.

24. Salesmanship.—Winter, M. W. F., 10:30. Three hours credit. Hoyt.

Primarily a continuation of Courses 22, but dealing principally with personal salesmanship.

25. Problems In Advertising.—Spring. M. W. F., 10:30. Three hours credit. Hoyt.

Primarily a continuation of Courses 22 and 24 with emphasis on advertising.

27. Cooperative Marketing.—(See Economics 31) Nelson.

30. Commercial Geography.—(See Geography 30.) Hansen.

Upper Division Courses

50. Intermediate Accounting.—Autumn. Daily, 10:30. Four hours credit. Clark.

Primarily a study of corporation accounting with special emphasis placed on problems of depreciation, bases or revaluation, inventorying, etc. Open to students who have had Accounting, 1, 2, and 3, or the equivalent.

51. Intermediate Accounting.—Winter, Daily, 10:30. Four hours credit. Clark.

Continuation of Course 50.

52. Intermediate Accounting.—Spring, Daily, 10:30. Four hours credit. Clark.

Continuation of Course 51.

56. Mathematical Theory of Investment.—Spring, M. W. F., 10:30. Three hours credit. Marshall.

The application of mathematics to general business problems, annuities, amortization, capitalization, building and loan associations, depreciation, sinking fund, and bond values.

57. Retailing (Advanced Marketing).—Autumn, M. W. F., 9:30. Three hours credit. Boyle.

This course deals with modern tendencies in retail department store merchandising. The importance of research as a fundamental principle in the new retailing will be stressed. Courses 22, 24, and 25 or permission of the instructor, prerequisites.

58. Retailing.—Winter, M. W. F., 9:30. Three hours credit. Boyle.

This course deals with the various phases of internal department store operation, such as the division of merchandising, publicity, service, finance, and control. Principles of merchandising, planning and control will be presented, followed by current, actual problems. Courses 22, 24, 25, and 57, or consent of instructor, prerequisites.

59. Advanced Marketing and Advertising.—Spring, M. W. F., 9:30. Three hours credit. Boyle.

This course deals with the application of actual cases in advanced marketing, taken from the field of practical experience of a large number of firms. The executive of today must look upon research as one of the numerous tools available to him. The intelligent use of advertising and marketing as such will be stressed. Courses 22, 24, 25, 57, 58, or consent of instructor, prerequisites.

61. Personnel Administration—Labor Problems.—Autumn, M. W. F., 8:30. Three hours credit. Boyle.

This course deals with the wage system, domestic industry, the factory system. The rise and growth of labor organizations. Special problems in labor and industrial unions, with a study of typical organizations. Collective bargaining, boycott, lockout, woman and child labor. The effects of immigration upon the American laborer. The mediation and arbitration of industrial disputes.

62. Personnel Administration—Industrial Management.—Winter, M. W. F., 8:30. Three hours credit. Boyle.

A study of Modern practices and development in

the scientific adjustment of the relations of the employer and employee. This course places emphasis on the right human relations in industry in our complex machine age. Such problems as labor supply, labor turnover, promotion policy, trade tests, job analysis, etc., are studied. The significance to management of scientific labor control will be stressed.

63. Personnel Administration.—Spring. M. W. F., 8:30. Three hours credit. Boyle.

This course deals with the necessity of research and original and creative thinking on the part of business managers today if they are to raise business to a science and management to a profession. Special attention will be given to the analysis of the fundamentals of business administration in an effort to help develop the professional status of business management. Psychology 11, 68, and 64, suggested as a prerequisite.

64. Business Psychology.—Autumn, M. W. F., 2:30. Three hours credit. Poulson.

A brief consideration of the contributions of scientific psychology in the fields of advertising, salesmanship, vocational selection, and personnel management. Prerequisite; Psychology 11 or its equivalent.

65. Experiments in Business Psychology.—Winter. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Two hours credit. Poulson, and Mr.———. (See Psychology 65.)

74. Principles of Statistics.—Autumn and Spring. M. W. F., 8:30. Three hours credit. Hoyt.

The graphical representation of data, various forms of averages, measurement of variability, correlation, probable error etc.

75. Advanced Statistics—Winter, M. W. F., 8:30. Three hours credit.

Continuation of Course 74.

81, 82, 83. Commercial Art and Illustrating—Autumn, Winter, and Spring. T. Th., 10:30. Two hours credit each quarter. Eastmond.

Poster designing and lettering. System of lettering. Sign writing in various mediums. Historical alphabets. Prerequisites, Accounting and Business Administration 1, 15, 16. (See Art 51, 52, 53.)

Graduate Courses

100. Cost Accounting—Autumn. M. T. W. T., 9:30. Four hours credit. Hoyt.

The factors of departmentalization, the allocation of overhead, labor, and material for various kinds of industries. Students are advised to take course 61 with this course. Courses 50, 51, and 52 in this department are prerequisites.

101. Advanced Cost Accounting—Winter, M. T. W. T., 9:30. Four hours credit. Hoyt.
Continuation of course 100.

102. Accounting Systems—Spring, M. T. W. F., 9:30. Four hours credit. Hoyt.

Students will be required to do a large amount of individual field work, and to design cost accounting and bookkeeping systems suitable for manufacturers and business concerns. Course 101 is a prerequisite.

103. Auditing and Federal Tax Procedure—Autumn, M. W. F., 2:30. Three hours credit. Hoyt.

Emphasis will be laid on the principles and practices involved in public accounting work. Opportunity will be afforded for the student to get practical experience by auditing the books and federal tax returns of various business concerns.

104. Auditing and Federal Tax Procedure—Winter. M. W. F., 2:30. Three hours credit. Hoyt.
Continuation of course 103.

105. Accounting Problems—Spring, M. W. F., 2:30. Three hours credit. Hoyt.

Advanced accounting problems, with emphasis on American Institute of Accountants' Examination problems.

110-111-112. Research in Accounting—Hours and credit to be arranged. Hoyt.

The object is to afford students an opportunity to do individual intensive work in the field of statistics.

114-115-16. Research in Statistics.—Hours and credit to be arranged. Hoyt.

The object is to afford students an opportunity to do individual intensive work in statistics.

121-122-123. Research in Marketing, Personnel and Advertising—Hours and credit to be arranged to suit the individual needs of the student. Boyle.

These courses are designed to afford work of an advanced nature to those students who have had sufficient preparation, and who are desirous of specializing and gaining greater familiarity with marketing and advertising problems. Ample opportunity will be afforded students to get some practical experience by working out the problems of some representative business firms.

AGRONOMY

Professors Martin, Nelson; Associate Professor Sudweeks;
Mr. Coffman.

Lower Division Courses

21. Root Crops.—Autumn. Daily, 10:30. Four hours credit. Martin.

Sugar beets and potatoes receive special emphasis.

Seed selection, testing, discussion of experiment station results, etc.

22. Cereal Crops.—Winter, 10:30. Four hours credit. Martin.

Selecting, grading, judging, and methods of production are studied. Special emphasis will be placed upon a review of the results obtained at the various experiment stations throughout the world, the aim being to gain, not only theoretical material but much practical information obtained at great cost by the scientific investigators.

23. Forage Crops.—Spring. Daily, 10:30. Four hours credit. Martin.

History, cultivation, experiment station results, etc.

41. Soils.—Autumn. M. W. F., 8:30. Three hours credit. Martin.

The aim of this course is to give to the student a general idea of soil science. It is intended to furnish agricultural students with the fundamental principles underlying the problem of soils, and also to constitute a survey course for majors in agronomy.

Such topics as a fundamental conception of soil, how plants feed, the physical, chemical and bacteriological nature of soils, soil alkali, nitrogen relationships, fertilizers and fertilizer practice, green manures, barnyard manures and crop rotations, will be discussed. Field trips will be made.

Upper Division Courses

52. Soil Fertility.—Winter. M. W. F., 8:30, Laboratory period W. 1:30-4:30 (prerequisite for laboratory, Chemistry 6.) Three or four hours credit. Martin.

This course deals especially with availability of soil nutrients, alkali soils, soil organisms, farm manures, green manures and crop rotation.

57. Soil Geology.—Spring. M. W. F., 8:30. Three hours credit. Martin. See also Geology 57.

This course discusses the nature and formation of soils. Topics such as the following will receive attention: rocks and minerals—their soil and plant relationships; influence of glaciers on soil formation; effect of decomposing organic matter on the nature of the soil formed; mechanical and chemical agencies of rock decay. Also a study will be made of the major soil divisions of the United States. Field trips will be made together with some laboratory work with rocks and minerals. Some class periods will be given over to field and laboratory work.

61. Farm Management.—Winter. M. W. F., 8:30. Three hours credit.

This course takes up the general consideration of farm management, types of farming, organization of farm business, soil management factors, sources of profit and loss, farm management surveys, etc. It is suggested that the following courses precede the courses in farm management: Economics 11, 12; Horticulture 1, 2; Animal Husbandry 2, 21; Agronomy 22, 23, and 41.

62. Farm Management.—Spring. M. W. F., 8:30. Three hours credit.

A continuation of course 61.

63. Irrigation and Drainage.—Autumn. Three hours credit. Coffman. (See Geology 63.)

64. Teaching of Agriculture.—Two hours credit. Autumn. Sudweeks. (See Secondary Teaching 63.)

91. Western Land Problems.—Spring. M. W. F. Three hours credit. Nelson. (See Economics 91.)

92. Soil Bacteriology.—Autumn. M. W. F., 8:30. Three hours credit. Martin.

Prerequisites, Botany 21, 22, and Agronomy 41, 52. A lecture course designed to acquaint the student with bacteria in relation to soil fertility. A study will be made of ammonification, nitrification, nitrogen fix-

ation, organic matter and mineral transformation, energy transformation, microbiological analysis, oxidation and reduction processes, influences of environmental conditions, etc.

93. Soil Bacteriology.—Autumn. M. W. F., 1:30-4:30. Two hours credit. Martin.

A laboratory course to accompany course 92. It will consist of a study of methods used in bacteriological investigation. Prerequisites, Botany 21, 22 and Chemistry 6.

94. History of Agriculture.—M. W. F., 10:30. Three hours credit. Nelson. (See Economics 94.)

95. Soil Mycology.—Spring. T. 8:30 and laboratory period W. F., 1:30-4:30. Three hours credit. Martin.

A morphologic, physiologic and identification study of molds and actinomycetes. Special emphasis on soil forms and their relationship to organic matter decomposition.

96. Seminar.—One hour credit for the year. Martin and Nelson.

Current agronomic literature, agricultural problems. Assigned topics will be considered in the form of a round table discussion. Required of all seniors and graduate students majoring in agronomy.

97. Research.—Seniors specializing in agronomy may elect research work from three to six hours. Time and credit to be arranged. Martin.

98. Advanced Laboratory in Soil.—Credit, time, and subject matter to be arranged. Martin.

Chemical, bacteriological and other special laboratory work.

99. Agricultural Literature.—A study of agronomic literature. Special problems and written reports. Time and credit to be arranged. Martin.

Graduate Courses

191. **Western Land Problems.**—Three hours credit. Spring. Nelson.

192. **Soil Bacteriology.**—Autumn. M. W. F., 8:30. Three hours credit. Martin.

193. **Soil Bacteriology**—Autumn. W. F., 1:30-4:30. Two hours credit. Martin.

195. **Soil Mycology.**—Three hours credit. Martin.

196. **Seminar.**—Credit to be arranged.

197. **Research.**—Time and credit to be arranged.

198. **Advanced Laboratory in Soil.**—Time and credit to be arranged.

199. **Agricultural Literature.**—Time and credit to be arranged.

200. **Thesis.**—Credit to be arranged.

ANIMAL HUSBANDRY

Assistant Professor Ivins; Dr. Cullimore.

Lower Division Courses

1. **Elementary Stock Judging.**—Autumn. 1:30-4:30. M. W. F. Three periods of three hours a week. Three hours credit. Ivins. (Not offered 1931).

This course consists of a study of the market types and classes of live stock. Field trips will be made to farms of the county where practice in scoring and judging of animals will be done.

2. **History of Breeds.**—Autumn. Daily 9:30. Five hours credit. Ivins.

All the breeds of live stock will be studied. Special emphasis will be directed to the condition under which

the breeds were formed, the men who did the work, and the adaptability of the breed to western conditions.

4. Beef Cattle Husbandry.—Winter. T. Th., 9:30. Two hours credit. Ivins.

This course is a consideration of the types and breeds, feeds, care and management of beef cattle for western conditions. The student will be made familiar with beef animals by frequent field trips.

5. Sheep Husbandry.—Spring. T. Th., 10:30. Two hours credit. Ivins.

Types and breeds of sheep will be reviewed, followed by study of the management, care and feeding of sheep, both on the range and on the farm.

6. Swine Husbandry.—Winter. T. Th., 10:30. Two hours credit. Ivins.

Types, breeds and management of swine and their place on western farms. Emphasis will be put on their relation to dairy farming.

7. Feeding of Farm Animals.—Spring. M. W. F., 10:30. Three hours credit. Ivins.

A study of the chemical composition of feeds, the needs of the animal body, the compounding of rations and methods of practice in feeding.

8. General Poultry.—Winter. M. W. F., 9:30. Three hours credit. Ivins.

A study of breeds, judging, breeding, incubation, brooding, housing, feeding and marketing.

9. Diseases of Farm Animals.—Winter. M. W. F., 1:30. Three hours credit. Ivins.

A study of the anatomy of farm animals, of the common diseases of horses, hogs, and poultry; their causes, prevention, and treatment.

21. Elements of Dairying.—Autumn. M. W. F., 8:30. Three hours credit. Ivins.

A general survey of dairying and its relation to Utah agriculture; the secretion, composition and prop-

erties of milk; the conditions that affect quantity and quality of milk; the Babcock test, the farm separator the lactometer, methods of creaming, care of milk on the farm, use of milk and its products as human food.

Upper Division Courses

51. Animal Breeding.—Spring. M. W. F., 1:30. Three hours credit. Ivins.

The aim of this course is to study the specific principles, practices, and methods involved in the breeding and development of domesticated animals. Such topics as Mendelism in animals, transmission, heredity, value of pedigree, systems of breeding, records, etc., are considered. Prerequisite, Zoology 78, or Botany 80.

59. Types and Breeds of Poultry.—Spring. M. W. F., 9:30. Two hours credit. Ivins.

A study of the popular breeds of domestic fowls, their origin, methods of classification, standard requirements, methods of mating and breeding. Designed especially for students planning to engage in Smith-Hughes and Club work.

61. Special Poultry Problems.—Autumn. T. Th. 9:30. Two hours credit. Prerequisite An. Hus. 8.

Detailed study of problems of housing, brooding, feeding and culling. Study of latest developments in these fields, using current literature as basis of work.

65. Animal Physiology.—Spring. M. W. F. Laboratory T.. 1:30-4:30. Five hours credit. Cullimore. (See Zoology 65.)

81. Milk and Milk Products.—Winter. M. W. F., 10:30. Three hours credit. Ivins.

A course dealing with the properties, composition, and constituents of milk, the manufacture and marketing of milk products. Prerequisite An. Hus. 21 and one year bacteriology.

91. Dairy Survey.—Winter. Time to be arranged. One hour a week. One hour credit. Ivins.

A study of current literature and experiments in dairy work. Each student will be expected to make reports on various subjects in this field which will be discussed by the class.

92. Seminar.—Spring. Time to be arranged. One period a week. Ivins.

Current literature and problems in the field of Animal Husbandry will be studied and discussed. Required of all seniors who major in Animal Husbandry.

98. Experimental Animal Nutrition.—Open to senior and graduates only. Prerequisite 5 hours in organic or bio-chemistry, and animal husbandry 7. This course is designed to acquaint students with the methods used in small animal experimentation. One hour lecture. Laboratory time and credit to be arranged.

Graduate Course

110. Research in Nutrition.—Time and credit to be arranged. Ivins.

Open to graduates only, major or minor. Designed for students in Animal Husbandry and Home Economics who desire to get acquainted with the problems of nutrition.

ART

Professors Eastmond, Larsen; Assistant

Professor Jensen, Mrs. Gourley

Students majoring in art are required to take courses
1, 2, 3, 7, 8, 9, 21, 11, 12, 13, 38, 39, 40.

Lower Division Courses

1. Art Appreciation.—Autumn. M. W., 1:30. Two hours credit. Eastmond.

Foundational principles of art introduced as a means of the appreciation of natural scenery, introductory study of the masterpieces of architecture and sculpture. Illustrated lectures.

2. Art Appreciation.—Winter. M. W., 1:30. Two hours credit. Eastmond.

Study and classification of the masterpieces of historic and modern architecture and sculpture. Illustrated lectures.

3. Art Appreciation.—Spring. M. W., 1:30. Two hours credit. Eastmond.

Interpretation and classification of the masterpieces of historic and modern graphic art. Illustrated lectures.

7. Graphic Representation.—Autumn. M. W. F., 2:30. Two hours credit. Larsen.

Object drawing in various media. Emphasis upon tone study in charcoal and upon mass media. Linear and circular perspective.

8. Graphic Representation.—Winter. M. W. F., 2:30. Two hours credit. Larsen.

Continuation of Art 7. Emphasis upon drawing from still life, the cast, and the costume model. Objective composition.

9. Graphic Representation.—Spring. M. W. F., 2:30. Two hours credit. Larsen.

Continuation of Art 8. Study of perspective. Outdoor sketching in pencil and crayon media.

11. Water Color Painting.—Autumn. T. Th., 3:30 to 5:30. Two hours credit. Eastmond.

Pictorial composition and color study. Theory of color emphasized.

12. Water Color Painting.—Winter. T. Th. 3:30 to 5:30. Two hours credit. Eastmond.

Continuation of Art 11. Pictorial composition emphasized. Decorative landscape painting. Theory of color continued.

13. Water Color Painting.—Spring. T. Th., 3:30 to 5:30. Two hours credit. Eastmond.

Continuation of Art 12. Development of individual expression. Study of temperament in painting. Composition and outdoor sketching emphasized.

14, 15, 16. Commercial Art.—Autumn, Winter, Spring. T. Th., 1:30. One to two hours credit each quarter. Jensen.

Show card writing, Poster art; advertising arrangement.

17, 18, 19. Process Illustration.—Autumn, Winter, Spring. T. Th., 10:30. Two hours credit each quarter. Eastmond.

Method of drawing and painting for illustration. Drawing for the various process methods of modern engraving. Correlative illustration. (Art 7 is prerequisite to 18.)

21. Theory and Practice of Design.—Autumn, Sec. 1 M. W. F., 1:30. Sec. 2 T. Th., 1:30. Sections will be arranged to correlate with the lines of work taken up in Art 25, 28, etc., 32 p. and 47. Two hours credit. Eastmond and Larsen.

Rhythm, balance, harmony, and other foundational principles. Color study. Three recitations and one studio hour.

25. Domestic Art Design.—Winter, T. Th., 1:30. Studio hour to be arranged. Two hours credit. Eastmond.

A study of the line, proportion, and color as applied to china painting and needle craft, etc. Original designs for decorative textile work. Theory of color adapted to design. Prerequisite, Art 21.

26. Domestic Art Design.—Spring. T. Th., 1:30. Studio hour to be arranged. Two hours credit. Eastmond.

Continuation of Art 25. Original design for decorative work applied in various manners introduced.

28. Home Planning and Applied Art.—Winter M. W. F., 1:30. Two hours credit. Larsen.

House planning. Historic development of the house. Location and environment. Study of line, form, and color. Two recitations and one studio hour.

29. Home Planning and Applied Art.—Spring. M. W. F., 1:30. Two hours credit. Larsen.

Interior decoration and home furnishing. Study of wall finishes and decoration. Floors, floor finishes and coverings. Natural and artificial lighting. Draperies, upholstering. Furniture, pictures and bric-a-brac. Study of color, texture, scales, structural unity and the proper use of ornament. Art crafts work introduced.

32p. Ceramic Art (China Painting).—Winter Time to be arranged. One or two hours credit. Special fee for private instruction. Prerequisite, Art 21. Mrs. Gourley.

Application of the various methods of original design in the decoration of appropriate wares.

33p. Ceramic Art.—Spring. Time to be arranged. One, or two hours credit. Special fee for private instruction. Prerequisite Art 21. Mrs. Gourley.

Continuation of Art 32. Emphasis on applied design.

35. Mechanic Arts Design.—Winter. M. W. F., 1:30. Two hours credit.

Application of design principles applied to the work of mechanic arts. Art 21 required.

36. Mechanic Arts Design.—Spring M. W. F., 1:30. Two hours credit.

38. Outdoor Sketching With Oil Colors.—Autumn. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

Landscape study. Brush drawing of trees and other landscape elements. Representation of foreground, middle distance, and distance. Landscape composition.

39. Still Life and Figure Painting With Oil Colors.—Winter. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

Painting of flowers, fruits, pottery, and other still life objects. Pictorial composition emphasized.

Continuation of Course 38.

40. Outdoor Sketching With Oil Colors.—Spring. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

Continuation of 38 and 39.

41, 42, 43. Art For Elementary School Teachers.—Autumn, Winter, Spring, M. W. F., 3:30. One to three hours credit each quarter. Jensen.

Simple drawing and painting with various media. Paper cutting and construction, clay, crayons, water color, etc. Study of materials suitable for elementary applied design. Subject matter and standards of achievement for each grade. Objectives and methods emphasized.

47. Stage Craft.—Winter. T. Th., 3:30. Two hours credit. Eastmond.

The principles of pictorial composition, line and color applied to the stage. Designing of stage properties. Scenery painting introduced.

Upper Division Courses

51. Advanced Illustration and Art Etching.—Autumn. T. Th., 10:30. One to four hours credit. Prerequisite Art 7, 8, 9. Eastmond.

Pictorial composition especially adapted to the various phases of tone and color engraving. Methods and practice of art etching introduced.

52. Advanced Illustration and Art Etching.—Winter, T. Th., 10:30. One to four hours credit. Eastmond.

Continuation of Art 51. Criticism periods and laboratory work.

54. Methods of Teaching Art.—Autumn and Winter. M., 3:30. Two hours credit. Eastmond. (See Secondary Training 62.)

61, 62, 63. Commercial Art.—Autumn, Winter, Spring. T. Th., 1:30. Two hours credit each quarter. Jensen.

Poster designing and lettering. Systems of lettering. Sign writing in various media. Historic alphabets. Prerequisites Art 14, 15, 16.

64. Water Color Painting.—Autumn. T. Th., 3:30 to 5:30. Two to four hours credit. Eastmond.

Objective landscape and still-life painting. Emphasis upon composition in line, mass and color. Outdoor sketching. Recitations and laboratory work.

65. Water Color Painting.—Winter. T. Th., 3:30 to 5:30. Two to four hours credit. Eastmond.

Subjective and decorative landscape painting, emphasized; nature motif work. Color theory applied. Recitation and laboratory work.

66. Water Color Painting.—Spring. T. Th., 3:30 to 5:30. Two to four hours credit. Eastmond.

Continuation of Art 65. Outdoor sketching. Individual expression emphasized.

67. Oil Painting.—Autumn. M. W. F., 3:30 to 5:30. Two to four hours credit. Emphasis upon landscape painting. Larsen.

68. Oil Painting.—Winter. M. W. F., 3:30 to 5:30. Two to five hours credit. Larsen.

Painting from still-life and the costumed model.

69. Oil Painting.—Spring. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

Outdoor sketching and landscape composition.

71, 72, 73. Decorative Painting and Applied Art.—Autumn, Winter, Spring. M. W. F., 2:30. Two to four hours credit each quarter. Eastmond.

Applied painting in oil and other media. Decorative composition correlated with interior decoration. Mural painting. Scenery painting, advanced poster designing. Creative designing applied. Recitations and laboratory work.

74, 75, 76, Art Pageant Production.—Autumn, Winter, Spring. T. Th., 4:30. Two hours credit each quarter. Eastmond.

Pageantry as art expression. Principles of pageant composition. Symbolic representation. Nature pantomime and tableau. Costume and property designing.

80. Home Planning and Applied Art.—Winter. M. W. F., 1:30. Two hours credit. Larsen. (See Household Administration 50.)

81. Home Planning and Applied Art.—Spring. M. W. F., 1:30. Two hours credit. Larsen. (See Household Administration 51).

Graduate Courses

151, 152, 153. Advanced Process Illustration and Art Etching.—Autumn, Winter, Spring. T. Th., 10:30. One to four hours credit. Eastmond.

167, 168, 169. **Pictorial Composition—Oil Painting.**—Autumn, Winter, Spring. M. W. F., 3:30 to 5:30. Credit to be arranged. Larsen.

200. **Research in Art Education.**—Autumn, Winter, Spring. W., 3:30. Credit to be arranged.

BOTANY

Professor Martin; Mr. Harrison.

Lower Division Courses

12. **General Botany.**—Sec I, Autumn. T. Th., 8:30. Sec. II, Winter, T. Th., 10:30; laboratory, Th., 1:30 to 4:30. Three hours credit.

A general course which considers the fundamental principles of morphology, physiology, and reproduction of plants.

15. **Field Biology.**—Spring. T. Th., Sec. I. 7:30. Sec. II, 3:30. Two-hour period. Two hours credit.

A course in general nature study, especially intended for teachers of primary and secondary grades.

21. **General Bacteriology.**—Winter. M. W. F., 9:30. Three hours credit. Martin.

The course will consist of a study of the general characteristics and activities of microorganisms and their relation to man.

22. **General Bacteriology.**—Two hours credit. T. Th., 1:30-5:30. Martin.

Laboratory course in general bacteriology, designed to accompany Botany 21.

Upper Division Courses

50. **Algae and Fungi.**—Autumn. Two lectures and one three-hour laboratory period a week. Three hours credit. M. W., 9:30.

A study of the morphology, life histories, classification and relation of the main groups of algae and fungi. Prerequisite, Botany 12.

51. Liverworts, Mosses and Ferns.—Winter. M. W., 9:30. Two lectures and one three-hour laboratory period a week. Three hours credit.

A study of the morphology, life histories and relationships of the liverworts, mosses and ferns. Prerequisite, Botany 12.

52. Seed Plants.—Spring. M. W., 9:30. Two lectures and one three-hour laboratory period a week. Three hours credit.

A study of the morphology, life histories, classifications and relationships of the higher plants. Prerequisite, Botany 12.

55. Spring Flora.—Spring. Wednesday, 2:30. Laboratory M. F., 2:30 to 5:30. Three or five hours credit.

This course will consider a brief survey of the plant kingdom as illustrated by local forms. Students will learn to handle the botanical key and become independent in classifying plants. Prerequisite, Botany 12.

57. Plant Ecology.—Autumn. T. Th., 9:30, also one field trip or laboratory period a week. Three hours credit.

This course will include a study of plants as they grow in nature. Their adaptations in relation to soil and climate will be a special consideration. Prerequisite, Botany 12.

58. Geographic Ecology.—Winter. M. W. F., 8:30. Three hours credit.

A course devoted to a survey of the various floristic regions of the earth, with emphasis on North American problems. The course should be of special interest to students who expect to travel. Botany 57 desirable.

60. Plant Physiology.—Winter. T. Th., 9:30, laboratory, W. F., 1:30 to 4:30. Four hours credit.

A lecture and laboratory course in physiology of plants, covering such topics as absorption, transpiration, synthesis of carbohydrates and proteins, digestion, translocation, respiration, growth and reaction of plants to stimuli. Prerequisites, Botany 12 and Chemistry 1 and 2 or their equivalents.

61. Plant Histology.—Spring. Time to be arranged. Three hours credit.

This is primarily a laboratory course in the technique of preparing, staining and mounting of sections for microscopical examination. Prerequisite, Botany 12.

70. Diseases of Cultivated Plants.—Autumn. T. Th., 8:30; laboratory M. F., 1:30 to 4:30. Four hours credit. Mr.———.

This course deals with the important diseases of local plants, their identification, cause and treatment. Prerequisite, Botany 12.

75. Seminar.—Autumn, Winter. One hour credit for each course.

80. Heredity and Evolution.—Spring. M. W. F., 10:30. Three hours credit. (Not given this year.)

A consideration of the facts upon which the conception of evolution is based and of the theories advanced to explain it. A study of the laws of inheritance with their applications to plant and animal breeding and to the human race. Prerequisite, Botany 12 or Zoology 11.

90. Advanced Systematic Botany.—One to five hours credit per quarter depending on the quality and quantity of work done. Time to be arranged.

A course designed for students who are prepared to do independent and intensive work on special plant groups.

- 92. Soil Bacteriology.—(See Agronomy 92.)
- 93. Soil Bacteriology.—(See Agronomy 93.)
- 95. Soil Mycology.—(See Agronomy 95.)

Graduate Courses

- 103 Field Ecology.
- 104 Physiographic Ecology.
- 106 Soil Mycology—Martin.
- 150 Algae and Fungi.
- 151 Liverworts, Mosses, and Ferns.
- 152 Seed Plants.
- 158 Geographic Ecology.
- 160 Plant Physiology.
- 161 Histology.
- 170 Diseases of Cultivated Plants.
- 175 Seminar.
- 190 Advanced Systematic Botany.
- 192 Soil Bacteriology.
- 193 Soil Bacteriology.
- 195 Soil Mycology.
- 200 Research—Martin and Harrison.

CHEMISTRY

Professor Maw, Mr. Peterson, Mr. Polly, Mr. Colvin,
Mr. Johansen, Mr. Wing.

Students majoring in Chemistry are required to complete the following courses: Chemistry 4, 5, 6, 62, 70, 71, 72, 73, 82, 83.

Lower Division Courses

1. Elementary General Chemistry—Autumn, Winter, and Spring. Three lectures and demonstration periods, and one recitation. M. T. W. Th., 10:30. Four hours credit.

Elementary general chemistry intended for students not majoring in chemistry, but desiring a knowledge of the subject for its cultural and informational

value. Open only to students who have not had a previous course in chemistry unless by consent of the department and with reduced credit.

2. Elementary General Chemistry.—A laboratory course to accompany chemistry 1. Autumn, Winter and Spring. One to three hours credit depending on the quality and amount of work done.

4. Principles of Chemistry—Autumn, Winter. 8:30. M. W. F. Two three hour laboratory periods per week. 2:30-5:30. Five hours credit. Maw, Johansen, Colvin.

A technical and intensive study of the principles of inorganic chemistry in connection with the non-metals. Intended for students majoring in natural sciences or taking pre-medical work. Prerequisite, Chemistry 1 or High School Chemistry.

5. Principles of Chemistry.—Winter. 8:30. M. W. F. Five hours credit. Maw, Johansen, Colvin.

Continuation of Chemistry 4. This course includes the general chemistry of the metals and elementary qualitative analysis. The qualitative processes are inductively developed in the laboratory. Stress is laid on the principles involved in the separations and the facts upon which the separations are based rather than upon mechanical processes.

6. Principles of Chemistry—Spring. 8:30. M. W. F. Five hours credit. Maw, Johansen, Colvin.

Continuation of Chemistry 5. Special stress is placed on solving problems to emphasize the quantitative character of the principles of chemistry. In the laboratory, exercises in elementary quantitative analysis are carried out, with a view of furnishing definite experience on which to tie the principles discussed in the lectures. This course attempts to train in the proper laboratory technique.

7. Elementary Organic Chemistry.—Spring. M.

W. F., 1:30. Laboratory T. Th., 2:30-5:30. Five hours credit. Maw and Polly.

A brief discussion of the carbon compounds and their practical applications. This course is intended for students in home economics or students desiring a general knowledge of organic chemistry from the cultural point of view. Prerequisite Chemistry 1 and 2 or Chemistry 4.

Upper Division Courses

51. Advanced Inorganic Chemistry.—Winter. T. Th., 1:30. Two hours credit. Peterson.

Discussion of chemical theories and important generalizations in the field of inorganic chemistry.

52. Advanced Inorganic Chemistry.—Winter. T. F., 2:30-5:30. Two hours credit. Peterson.

Laboratory course to accompany Chemistry 51.

54. Advanced Qualitative Analysis.—Prerequisite chemistry 5. Two hours credit. Maw.

61. Quantitative Analysis.—Spring. M. W. F., 8:30. Five hours credit. Maw.

Chemical Theory and chemical principles are applied to problems of quantitative chemical analysis. Introductory gravimetric and volumetric analysis. Laboratory periods 2:30-5:30.

62. Quantitative Analysis.—Autumn, Winter or Spring. Two or four hours credit. Maw.

Continuation of Chemistry 61. Written discussions of chemical procedure will be prepared by the student.

70. Organic Chemistry.—Autumn. M. W. F., 9:30. Three hours credit. Maw and Polly.

Introduction to the study of the carbon compounds.

71. Organic Chemistry.—Autumn. T. Th., 2:30-5:30. Two hours credit. Maw and Polly.

Laboratory course to accompany 71, consisting of

a study of the more important syntheses and the reactions of the different classes of organic compounds discussed in the classroom.

72. Organic Chemistry.—Winter. M. W. F., 9:30. Three hours credit. Maw and Polly.

Continuation of Chemistry 71, emphasizing the aromatic compounds.

73. Organic Chemistry.—Winter. Two hours credit. Maw and Polly.

Laboratory course to accompany Chemistry 72.

74. Organic Chemistry.—Spring. M. W. F., 9:30. Three hours credit. Maw and Polly.

Continuation of 73. This course emphasizes advanced topics in organic chemistry.

75. Organic Chemistry.—Spring. M. W., 2:30-5:30. Two hours credit. Maw and Polly.

Laboratory course to accompany Chemistry 74.

76. Bio-chemistry.—Spring. M. W. F., 7:30. Three hours credit. Maw.

Discussion of the chemistry of nutrition, digestion adsorption, assimilation and excretion in the animal body.

77. Bio-chemistry.—Spring. T. Th., 1:30-4:30. Two hours credit. Maw and Wing.

Laboratory course to accompany Chemistry 76.

78. Bio-chemistry.—Autumn. Three hours credit. (Not given this year.)

Continuation of Chemistry 76.

79. Bio-chemistry.—Autumn. Two hours credit. (Not given this year.)

Laboratory course to accompany Chemistry 78.

82. Elementary Physical Chemistry.—Spring. M. W. F., 9:30. Three hours credit. Peterson.

This is a survey course of Physical Chemistry in which the fundamental principles with their applications are emphasized.

83. Elementary Physical Chemistry.—Spring. T. F., 2:30-5:30. Two hours credit. Peterson.

Laboratory course to accompany Chemistry 82. Two three-hour laboratory periods.

84. Physical Chemistry.—Two hours credit. (Not given this year.)

85. Physical Chemistry.—Two hours credit. (Not given this year.)

90. Seminar.—Autumn. T., 4:30. One hour credit.

Lectures, reports and discussion of current topics, in chemistry.

91. Seminar.—Winter. M., 4:30. One hour credit.

92. Seminar.—Spring. M., 4:30. One hour credit.

Graduate Courses

101. Chemistry of the Colloidal State.—Spring. Three hours credit. One lecture and two-three hour laboratory periods.

Fundamental properties of substance in the colloid state.

103. Advanced Organic Chemistry.—Any quarter. Three hours credit. Three three-hour laboratory periods.

Organic Preparations.

104. Qualitative Organic Analysis.—Winter and Spring. Two hours credit. Two laboratory periods.

Problems and assigned readings. Practice in identifying organic compounds, by analysis, physical properties and the preparation of derivatives.

105. Quantitative Organic Analysis.—Spring. Two hours credit.

Quantitative analysis of organic compounds. Combustion method for carbon, hydrogen and nitrogen.

106. Studies in the History of Chemistry.—Autumn, Winter and Spring. One hour credit each quarter.

109. Advanced Inorganic Chemistry.—Autumn, Winter and Spring. Hours and credit to be arranged. Special topics in inorganic chemistry.

157. Qualitative Analysis of the Rare Elements.—Two hours credit. Time to be arranged.

163. Advanced Quantitative Analysis.—Autumn, Winter or Spring. Two to ten hours credit according to the amount of work done.

Complete analysis of typical minerals will be carried out.

166. Special Methods in Quantitative Analysis.—

a—Water Analysis.—Two hours credit.

b—Food Analysis.—Two hours credit.

c—Electrolytic Analysis.—Two hours credit.

d—Fire Assaying.—Two hours credit.

These courses may be taken any quarter, the time to be arranged. Prerequisites Chemistry 6 and 62.

176. Bio-chemistry.—Spring. M. W. F., 7:30. Three hours credit.

Discussion of the chemistry of nutrition, digestion, adsorption, assimilation, and excretion in the animal body.

177. Bio-chemistry.—Spring. T. Th., 1:30-4:30. Laboratory course to accompany Chemistry 176.

178. Bio-chemistry.—Autumn. (Not given this year.)

Continuation of Chemistry 176.

179. Bio-chemistry.—Autumn. T. Th., 1:30-4:30. (Not given this year.)

Laboratory course to accompany Chemistry 178.

184. Physical Chemistry.—Spring. M. W. F., 9:30. Two hours credit.

Prerequisite Chemistry 82.

185. Physical Chemistry.—Two hours credit. Laboratory course to accompany 184. Prerequisite Chemistry 83.

200. Research.—Time and credit to be arranged.

Independent work in investigations of problems in physical, inorganic, and analytical chemistry.

ECONOMICS

Professors Swenson, Hoyt, Miller, Nelson; Associate Professor Boyle.

Lower Division Courses

11. Introduction to Economics.—Autumn. M. W. F. Sec. 1, 8:30; Sec. 2, 10:30; Sec. 3, 1:30. Three hours credit. Miller and Hoyt.

A general survey of industrial society, its structure, its institutions, its operation. Historical background of the rise of modern capitalistic industry. A study of underlying assumptions of our present regime, such as private property, competition and the social control of industrial activity.

12. Principles of Economics.—Winter. M. W. F. Sec. 1, 8:30; Sec. 2, 10:30; Sec. 3, 1:30. Three hours credit. Miller and Hoyt.

This course is an introductory study of the underlying principles of economics. Special attention is given to the production, exchange, distribution and consumption of wealth. An attempt is made to give the student an approach to the economic issues of the day with an intelligent appreciation of the factors which make for sound public policy. Prerequisite, course 11.

13. Current Economic Problems.—Spring. M. W.

F. Sec. 1, 8:30; Sec. 2, 10:30; Sec. 3, 1:30. Three hours credit. Miller and Hoyt.

This course will consider several of the important and pressing problems of present day industry and make an examination and criticism of the economic theory underlying them. Prerequisite, course 12.

14. Economic and Financial History of the United States.—Autumn. M. W. F., 9:30. Three hours credit. (Required of all majoring in Economics.) Miller.

The economic development of the United States through the colonial era, the period of industrial revolution, and the westward movement to the present, with special emphasis upon economic integration and industrial organization.

22. Advertising.—(See Accounting and Business Administration 25.)

24. Salesmanship.—(See Accounting and Business Administration 24.)

25. Problems in Advertising and Salesmanship.—(See Accounting and Business Administration 25.)

30. Principles of Agricultural Economics.—Autumn. M. W. F., 9:30. Three hours credit. Nelson.

An analysis from the standpoint of economics of the industry of agriculture. The place and importance of land in human welfare; the problems of what to produce, the choice of land, proportioning the factors of production, rent and profits, and tenancy, will be among those treated in the course.

31. Cooperative Marketing.—Winter. M. W. F., 9:30. Three hours credit. Nelson.

An analysis of the problem of cooperative marketing of agricultural products, from the standpoints respectively of farmers, middlemen, and consumers. Attention will be given to the factors which have made for success or failure in the history of cooperative marketing enterprises in America.

Upper Division Courses

56. Transportation Problems.—Spring. M. T. W. Th., 9:30. Four hours credit. Miller.

This course deals with the growth and development of railway transportation in the United States; the organization, construction and management of modern systems; the theory of rates; problems of competition; development of public regulation and railway legislation in the United States; general scope and importance of the railway problem at the present time.

60. Labor Legislation.—Spring. M. W. F., 9:30. Three hours credit. (Not given this year.)

The state in relation to labor. An intensive study of the legal aspects of the labor movement. Minimum wages, social insurance, regulation of hours, working conditions, etc. Foreign experiments in the field of government regulation and control.

61. Personnel Administration.—(See Accounting and Business Administration 61.)

62 and 63. Personnel Administration. (See Accounting and Business Administration 62 and 63.)

67. Public Finance.—Autumn. M. W. F., 2:30. Three hours credit. Miller.

The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration.

75. Foreign Exchange.—Winter. M. W. F., 9:30. Three hours credit. Miller.

This course considers briefly the inter-bank relations and domestic exchange. The main emphasis will be given to bills of exchange, import and export creditors, gold movements, etc. (International Economic Problems and Policy.)

76. History of Economic Thought.—Winter and Spring. M. W. Th., 2:30. Three hours credit. Miller.

91. Western Land Problems.—Spring. M. W. Th., 10:30. Three hours credit. Nelson. (Not given this year.)

A survey of the outstanding land problems of the Western States, particularly those of the Rocky Mountain division. Attention will be given to the questions of land utilization, reclamation, grazing, the public domain. Special class reports by students will be required.

92. American Agricultural Reform.—Winter. M. W. F., 9:30. Three hours credit. Nelson. (Not given this year.)

A review of the agrarian movements for economic and social reform in America, including the Patrons of Husbandry, the Farmers' Alliance, the Farmers' Union, the Non-Partisan League, and the American Farm Bureau Federation. Subordinate treatment is given to recent and current programs for farm relief.

93. Economic History of Agriculture.—Spring. M. W. F., 9:30. Three hours credit. Nelson.

The development of agriculture from its primitive beginnings in the Old World to the present time. The forms of agricultural settlement; the relation of agriculture to urban economy; agricultural revolutions, and measures of reform. Crops and livestock in America; historical background of contemporary agricultural problems.

Graduate Courses

101. Advanced Economics.—Autumn. M. W. F., 8:30. Three hours credit. Prerequisite, Economics 11, 12, 13. Swenson.

Advanced course in economic theory with application to present day economic problems. Open to seniors and graduates.

102. Advanced Economics.—Winter. M. W. F., 8:30. Three hours credit. Swenson.
Continuation of 101.

159. Labor Problems.—Winter. M. W. F., 9:30. Three hours credit. Boyle.

160. Labor Legislation.—Spring. 9:30. Three hours credit. (Not given this year.)

175. Foreign Exchange.—Spring. Three hours credit. Miller.

176. History of Economic Thought.—Winter. M. W. F., 2:30. Three hours credit. Miller.

177. History of Economic Thought.—Spring. M. W. F., 2:30. Three hours credit. Miller.

191. Western Land Problems.—Spring. M. W. F., 10:30. Three hours credit. Nelson.

197. Research.—Time and credit to be arranged. Staff.

200. Thesis.

EDUCATIONAL ADMINISTRATION

Assistant Professor Lambert; Professor Merrill; Associate Professor Sudweeks; Assistant Professors Boyle, and Jensen.

It is always better to take a regular teaching course and to have teaching experience before majoring in Educational Administration. For students who do major in this field the following sequences are recommended: (1) In Freshmen and Sophomore years, the regular group requirements, and possibly Elementary Education 5. (2) In the junior year, Elementary Education 60, 62; Psychology 74, 73, 77; Educational Administration 73, 79, 80. (3) In the senior year, Educational Administration 75, 76, 85, 111, 182.

The following courses in other departments may be used in filling a major: Secondary Education 52, 91, 101, 148; Philosophy of Education 86, 90.

Lower Division Course

5. School Organization and Administration.—(Same as Elementary Education 5.) Autumn, Winter, and Spring.

Upper Division Courses

50. Rural Education.—Spring. Three hours credit. Merrill.

This course deals with rural and educational problems which confront the teachers in the rural communities of the intermountain states.

69. Measurements of High School Teaching.—(See Secondary Education 69.) Spring.

73. General Educational Administration.—Autumn. M. T. W. Th., 1:30. Four hours credit. Lambert.

A study of the present organization of state, city, county and rural school systems will be made. The powers and duties of various school officials together with an outline of the general problems involved in administering a school system will form the detailed content of the course.

75. Educational Supervision.—Spring. M. T. W. Th., 1:30. Four hours credit. Lambert.

This course deals with the principles underlying the organization and supervision of classroom instruction; the methods of improving supervision techniques; relationships to teachers, supervisors, and administrators. The course is planned for those preparing to do general supervision or to supervise in special subjects. The course is open to senior and graduate students.

76. The Work of The School Principal.—Spring. M. W. F. Three hours credit. Lambert.

This is a course in the practical problems of administering a single school; the organization and administration of buildings and materials, curricula, schedules, supervision, student activities, community relationships. Open to students desiring to prepare for principalships of elementary, junior, or senior high schools.

79. Statistical Methods.—Spring. M. W. F., 2:30. Three hours credit. Sudweeks.

This course deals with the principles and methods underlying the compilation and interpretation of educational statistics. Students who have had Mathematics 13, should not take this course without consulting the instructor.

80. Standard Test and Testing.—Winter. Three hours credit. Sudweeks. (Not given this year.)

Educational Administration 81 and this course are designed to cover the field of tests and examinations in elementary and high schools. A study of standard tests available for all grades. Each student will carry out a complete testing project in the University Training School from the choice of problem to the planning of remedial teaching.

81. Old and New Type Examinations.—Spring. T. Th. Two hours credit. Sudweeks.

The place of the old type examination and its improvement. The uses and forms of the new type examination. With Educational Administration 80, it covers the field of tests and examinations in elementary and high schools.

85. Administration of School Transportation.—Spring. T. Th. Two hours credit. Lambert.

This course offers students an opportunity to study school transportation as a necessary part of the school program in consolidated districts, and as a special cost

factor in a State equalization program. Details of administering local transportation systems will be considered.

Graduate Courses

111. Public School Business Administration.—Winter. M. T. W. Th., 1:30. Four hours credit. Lambert.

This course will include a study of financial problems of school administration, a comparative study of systems of raising and disbursing revenues, of particular problems in costs and budgeting met by superintendents and boards of education. A course in general educational administration or its equivalent is prescribed as a prerequisite.

148. Introduction to Research and Thesis Writing.—Autumn, Winter. (See Secondary Teaching 148.) Two to three hours credit.

This is a course in principles and techniques of research, and training in thesis preparation with instruction in using sources of materials, preparing bibliography, organizing results of investigations, and guidance in selection of problems. Senior students may enter with consent of the instructor. All students registering as candidates for the Master degree in the College of Education are expected to take this course.

150. Graduate Seminar in Education.—Each alternate Monday, 7:30 to 9:30, P. M.

173. General Educational Administration.—Autumn. Four hours credit. Lambert.

This course parallels Educational Administration 73 and is given for graduate students who have not had a basic course in general educational administration. Such a course is basic to all graduate work in administration.

175. Educational Supervision.—Spring. Four hours credit. Lambert. 1:30.

This course is for graduate students and parallels Educational Administration 75.

176. The Work of The School Principal.—Spring. Three hours credit. Lambert.

This course parallels Educational Administration 76 and offers graduate students opportunity to do intensive work in the problems of administering the work of one unit of the school system.

179. Statistical Methods.—Spring. 2:30. Three hours credit. Sudweeks.

A course designed for graduate students preparing to do statistical research work. Required of all candidates for the Master degree in Education unless equivalent work has been done in undergraduate courses.

182. Educational Journals.—Spring. One hour credit. Lambert.

This is a seminar course providing opportunity for students to become acquainted with magazine and monograph material in Education.

185. Administration of School Transportation.—Spring. Two hours credit. Lambert.

This course parallels Educational Administration 85 and offers graduate students an opportunity to do some specialized work in this field.

186. Administration of Private and Parochial Schools and Seminaries.—Spring. T. Th., 11:30. Two hours credit. Lambert.

This course offers students an opportunity to study the place of the private and the denominational school in America together with the problems of relationships between private schools and the state schools.

200. Thesis Work in Educational Administration.—Lambert, Sudweeks.

This is a course in which graduate students secure credit for the master thesis. From two to six hours is granted depending upon the character of the work submitted and the difficulty of the problem.

The work is individual research under the direction of the professor and committee in charge.

ELEMENTARY EDUCATION

Assistant Professor Boyle; Associate Professor Sudweeks; Assistant Professors Ollorton, Peterson, Brown, Lambert, Jensen, Hanson; and Faculty of Elementary Training School

The following courses in other departments are suggested for those who are preparing for Elementary Teaching: Art 41, 42, 43; Theory of Music 41; Physical Education 21, 22; Secondary Education 51, 57. With the approval of the major professor courses from other departments of the College of Education may be offered to fill major requirements for a degree.

Lower Division Courses

1. **Principles of Education.**—Autumn, Winter or Spring. M. T. W. Th. Four hours credit. Boyle, Sudweeks.

This is an introductory, survey course in education, planned to cover the general field. It serves to orient the student and to introduce him to the other courses in education. Required of all students qualifying for elementary teaching; recommended for all majoring in Elementary Education. The principal topics covered are: the Child, the Teacher, Objectives in Teaching, the Teaching Process, Measurement, and the American Public School.

3. **Methods of Teaching Kindergarten and First Grade.**—Winter. M. W. F. Three hours credit. Brown.

An elementary course planned for students beginning the study of the method of teaching kindergarten and first grade pupils. This course should be taken by all students who plan to begin practice teaching in these grades.

5. School Organization and Administration.—Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit. Boyle.

This course will acquaint beginning teachers with the school as an institution in its relation to the state and the community and will introduce in an elementary but practical way the problems of school organization, including such problems as the place of the superintendent, supervisors and principal, teachers assignment, classification of pupils, attendance, records, reports. The school law will be studied. The course meets the state certificate requirement of school organization and administration.

6. Methods of Teaching in Primary Grades.—Autumn. M. T. W. Th., 10:30. Four times a week. Three hours credit. Brown.

This course deals with the fundamental methods used in lower primary teaching. It must be taken paralleling course 16, Elementary Training. A careful study of the method of teaching reading, language, and spelling in the first two grades will be made.

7. Methods of Teaching in Primary Grades.—Winter. M. T. W. Th., 10:30. Four times a week. Three hours credit. Brown.

A continuation of course 6. Methods of teaching handwriting, arithmetic, geography, and history will be considered. This will also be supplemented by demonstration in the Training School.

8. Methods of Teaching in Intermediate Grades.—Autumn. M. T. W. Th., 10:30. Three hours credit. Peterson.

This course should be taken parallel with the

course in elementary training by students who expect to teach in the intermediate grades. Careful consideration will be given to the special methods involved in the teaching of the following subjects: Spelling, handwriting, reading and English.

9. Methods of Teaching in Intermediate Grades.—Winter. M. T. W. Th., 10:30. Three hours credit.

A continuation of course 8. Methods of teaching history, arithmetic, community civics, elementary science and geography will receive consideration. Peterson.

10. Methods of Teaching Upper Grades.—Autumn. M. T. W. Th., 10:30. Three hours credit. Ollorton.

This course must precede or parallel training in the upper grades. Emphasis will be placed on the types of class room exercises suited to children of these grades. Special methods in reading, spelling, language, etc., will be studied during the first part of the course.

11. Methods of Teaching Upper Grades.—Winter. M. T. W. Th., 10:30. Three hours credit. Ollorton.

A study of the special methods of arithmetic, and social science subjects will be made. A continuation of course 10.

12. The Elementary School Curriculum.—Autumn, Winter. Daily. Five hours credit. Lambert, Brown.

This course meets the requirements of the Utah State Board of Education for knowledge in this field. It includes a study of representative courses of study a study of sources of materials, guidance in the selection and organization of materials into suitable teaching units with attention to sequences, time allotment, and programming. The course attempts also to meet the general demand for a greater mastery of subject matter but time is not taken in the course to make extensive reviews of the common branches. Evidence of reasonable mastery of elementary school subjects as

furnished by results of a comprehensive series of informal and standard tests given preliminary to and parallel with this course is a prerequisite to credit.

Note: Course 12 meets the State requirement for a study of the Utah Course of Study.

16. Elementary and Kindergarten Training.—Autumn, Winter and Spring. Daily from 1:30 to 3:30. Twelve hours credit. Ollorton, Brown, Peterson.

This is essentially a laboratory course affording opportunity for practice teachers to apply the principles of teaching developed in the theoretical course.

Students will teach not fewer than one hundred hours. This course is open to sophomore students or above. Elementary Education 1, Psychology 21, Elementary Education 12 or equivalents are prerequisites for this course. Should the enrollment exceed the capacity of the Training School a selection may be made on the basis of tests and the record in the prerequisite courses.

20. Story Telling and Children's Literature.—Autumn, Winter or Spring. T. Th., 8:30. Two hours credit. Dusenberry.

A study from the literary and educational points of view of the best literature available for children. This should involve some familiarity with the basic folk tales from which the standard children's stories, rhymes and poems have been largely derived, and practical exercises in the oral presentation of this material.

21. Juvenile Literature.—Winter or Spring. T. Th., 9:30. Two hours credit. Dusenberry.

A study of literature will be made in a sufficiently detailed way to give a basis for selection, appreciation, and presentation of the best and most suitable material for the elementary school. Graded lists of various types of stories and poems will be completed. This course is a continuation of 20.

22. Hygiene and Sanitation.—(Health Education)—Winter and Spring. M. W. F., 1:30. Three hours credit.

Same as Zoology 20. Designed to meet state requirements in health education. The early part of the course is devoted to fundamental physiological processes such as digestion, circulation, respiration and excretion and upon these as a foundation are based studies of personal hygiene, hygiene of the school child, sanitation of school buildings and surroundings, public and home sanitation, and recognition of defects in children.

Upper Division Courses

60. Technique of Teaching.—Autumn. M. W. F., 2:30. Three hours credit. Brown.

This course deals with certain of the recent developments in the field of methods and the psychological experiments which have lead to the revision of class-room procedure. Emphasis will be given to the new methods which have grown out of the use of standard tests, development of problem teaching, and the guidance methods in teaching made necessary by the definite knowledge of individual differences. Topics, discussed will be illustrated by work in the training school. Designed for students who are qualifying for supervision work in any field.

61. First Grade Education.—Spring. M. W. Th., 9:30. Three hours credit. Brown.

Problems of early elementary education. A study of the activities, subject matter and concrete materials which should form the basis of the work with young children. Classroom observation required. Designed for students in the training school who show special ability in teaching the kindergarten and first grade, and for experienced teachers preparing for supervisory work.

62. Measurements of Elementary Education.—

Autumn and Spring. M. W. F., 8:30. Three hours credit. Ollorton.

A practical course in selecting and using standard tests in elementary school subjects. Practice will be afforded in giving and scoring tests in the grades of the Training School and interpreting results.

63. School Organization and Management—Spring. T. Th. Two hours credit. Peterson.

A course in the conservation and the obtaining of the maximum educational value of every element in school and classroom organization. Such topics as getting the most out of the study period, the recitation period and the recess; care and use of supplies and books; school-room cleanliness and decoration; school records, reports, etc.; definite disciplinary problems; participation by the students in the management and control of the school.

Graduate Courses

161. First Grade Education.—Spring. 9:30. Three hours credit. Brown. (See Elementary Education 61.)

162. Measurements of Elementary Education.—Autumn and Spring. 8:30. Three hours credit. Ollorton. (See Elementary Education 62.)

163. School Organization and Management.—Autumn. Two hours credit. Peterson. (See Elementary Education 63.)

180. Research Work.—The consent of the instructor is necessary before registering. Sudweeks, Lambert. Students may be given from two to four hours credit for presenting satisfactory thesis on an assigned topic, embodying the results of independent work.

ENGLISH

Professors Osmond, Christensen, Reynolds, Holt, Merrill, Pardoe; Associate Professor Jensen; Assistant Professor Rowe; Mrs. Roberts, Mrs. Carroll, Miss Egbert, Mr. Young

Requirements for the Degree of Bachelor of Arts

Students who elect their major in the Department of English will be required to complete thirty hours of work in English in addition to courses 1, 2, and 3, and must elect four of the five period courses; provided, however, that the following substitutions may be made: Course 60 for 72; course 90 for 74; course 91 for 75.

The following additional work is required; three hours in advanced English composition; course 81 or 95; one of the following group of courses: 83, 84, 85, and 86; and course 82. Twenty-four hours in one or more foreign languages is required. A course in English history, unless taken in high school, is strongly recommended. Courses 20, 21, 22 are not open to students who elect their major in English.

Requirements for the Degree of Master of Arts

Candidates for the Degree of Master of Arts in English must have the equivalent of the requirements for the Degree of Bachelor of Arts in English and in addition to other graduate courses in English must have two courses in Shakespeare, the course in Old English, and the course in Chaucer.

Lower Division Courses

1. **Rhetoric and Composition.**—Autumn. M. W. F., 8:30. Three hours credit. Sec. 1, Jensen; Sec. 2, Egbert; Sec. 3, Young; Sec. 4, Osmond. 9:30: Sec. 5, Carroll; Sec. 6, Egbert; Sec. 7, Reynolds; Sec. 8, Merrill. 10:30: Sec. 9, Jensen; Sec. 10, Christensen; Sec. 11,

Carroll. 1:30: Sec. 12, Young. 2:30: Sec. 13, Carroll; Sec. 14, Egbert.

Grammar review, themes, exercises, conferences, and prescribed reading.

2. Rhetoric and Composition.—Winter. Sections and time the same as in course 1. Three hours credit. Continuation of course 1.

3. Rhetoric and Composition.—Spring. Sections and time the same as in courses 1 and 2. Three hours credit.

Continuation of course 2.

4. Business English.—Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit. Holt, Roberts.

The substance and style of business English; correctness of diction; business forms and usages.

5. Newswriting.—Autumn, 2:30. Three hours credit. Merrill.

A course in news gathering and news writing. The campus and city will be the field of activity. Prerequisites, English 1, 2, 3.

6. Argument and Debate.—Spring. M. W. F., 8:30. Three hours credit. Pardoe.

A study of the principles of argument, followed by a series of debates on current questions. Prerequisites English 1, 2, and 3.

7. History of Journalism.—Autumn, 2:30. Merrill.

An outline of the history of journalism and the development of the modern newspaper.

8. Copy Reading and Editing.—Winter, 2:30. Three hours credit. Merrill.

A study of copy reading, editing, head-writing, and make up.

11. Advanced English Grammar.—Autumn, 1:30.

Spring, 1:30. Four hours credit. Young.
Prerequisites, English 1, 2, and 3.

12. Advanced Rhetoric and Composition.—Autumn, 9:30, Osmond; Winter, 9:30, Christensen. M. T. W. Th. Four hours credit.

Long themes, lectures, conferences, and required reading. Prerequisites, English 1, 2, and 3.

15. Early American Writers.—Autumn. 1:30. Two hours credit. Merrill.

A survey of American literature from Captain John Smith to about 1865.

16. Later American Writers.—Winter. 1:30. Two hours credit. Merrill.

A survey of American literature from about 1865 to the present time.

17. Contemporary American Poets.—Autumn. T. Th., 10:30. Two hours credit. Osmond.

A study of the principal American poets.

18. Contemporary American Novelists.—Winter. T. Th., 10:30. Two hours credit. Osmond.

A study of the principal American novelists.

19. American Short Story Writers.—Autumn. T. Th., 1:30. Two hours credit. Osmond.

A study of the principal American short-story writers.

20. Masterpieces of English Literature.—Autumn, Sec. 1, 9:30, Carroll; Sec. 2, 10:30. Carroll. Two hours credit.

A study of the principal English Masterpieces.

21. Masterpieces of English Literature.—Winter. Sec. 1, 9:30, Carroll; Sec. 2, 10:30. Carroll. Two hours credit.

A continuation of course 20.

22. Masterpieces of English Literature.—Spring, Sec. 1, 9:30, Carroll; Sec. 2, 10:30, Carroll. Two hours credit.

Continuation of course 21.

23. Contemporary British Literature.—Spring. M. W. F., 2:30. Three hours credit. Merrill.

24. Shakespeare.—Autumn. M. T. W. Th., 9:30. Four hours credit Osmond.

This is an extensive course in the study of Shakespeare. The students will be required to read the principal plays.

25. Types of World Drama.—Autumn. T. Th., 10:30. Two hours credit. Egbert.

The great plays of the world are studied according to type.

26. Types of World Drama.—Winter. T. Th., 10:30. Two hours credit. Egbert.

A continuation of course 25.

27. Types of World Drama.—Spring. T. Th., 10:30. Two hours credit. Egbert.

Upper Division Courses

50. Editorial Writing.—Winter. M. W. F., 10:30. Three hours credit. Merrill.

Editorials of the best magazines and newspapers will be studied. Practice in writing the editorial will be a feature of the class work.

51. Feature Writing.—Spring. M. W. F., 10:30. Three hours credit. Merrill.

Newspaper feature articles will be studied and written. Prerequisites, English 1, 2, and 3, or the consent of the instructor. This is a course in practical writing for newspapers and magazines.

53. Book Reviewing.—Autumn. T. Th., 8:30. Two hours credit. Jensen.

A study of modern book reviewing and practice in writing.

57. Short-Story Writing.—Winter. T. Th., 1:30. Two hours credit. Osmond.

In this course the greater part of the student's time is given to practice in writing short-stories. Prerequisite, English 1, 2, and 3.

59. Poetry.—1:30. Two hours credit. Osmond.

A practical course in the various forms of verse-writing. (Not given this year.)

60. English Drama to 1642.—Spring, 9:30. Four hours credit. Young. (Not given this year.)

The beginning and development of English drama, not including Shakespeare, to the closing of the theaters.

61. Modern European Drama.—Autumn. T. Th., 2:30. Two hours credit. Reynolds.
(Continental.)

62. Modern European Drama.—Winter. T. Th., 2:30. Two hours credit. Reynolds.
(British.)

63. Modern Drama.—Spring. T. Th., 2:30. Two hours credit. Reynolds.
(American.)

64. Philology.—Winter, 10:30. Four hours credit. Osmond. (Not given this year.)

The history and development of words and their ways and the evolution of English grammar.

Period Courses

71. Medieval Literature.—Autumn. M. T. W. Th., 9:30. Four hours credit. Christensen.

72. English Literature from 1500-1660.—Winter. M. T. W. Th., 9:30. Four hours credit. Young.

73. English Literature from 1660-1780.—Spring. M. T. W. Th., 9:30. Four hours credit. Jensen.

74. English Literature from 1780-1832.—Winter. M. T. W. Th., 10:30. Four hours credit. Reynolds.

75. English Literature from 1832-1900.—Spring. M. T. W. Th., 10:30. Four hours credit. Reynolds.

Individual Author Courses

81. Chaucer.—Autumn. M. T. W. Th., 8:30. Four hours credit. Christensen.

82. Shakespeare.—Spring. M. T. W. Th., 9:30. Four hours credit Osmond.

An intensive and critical study of the principal plays.

83. Milton.—Spring. M. W. F., 9:30. Three hours credit. Christensen.

A study of the author's poetry and prose.

84. Wordsworth.—Spring. M. W. F., 2:30. Three hours credit. Jensen.

The author's theory of poetry and his principal poems will be studied.

85. Tennyson.—Autumn. M. W. F., 2:30. Three hours credit. Reynolds.

A study of the author's principal major and minor poems.

86. Browning.—Winter. M. W. F., 2:30. Three hours credit. Reynolds.

A study of the author's principal major and minor poems.

87. Matthew Arnold.—Autumn. T. Th., 2:30. Two hours credit. Christensen.

A study of the author's poetry and prose.

90. Romantic Poetry.—Autumn. M. W. F., 10:30. Four hours credit. Reynolds.

A study of romanticism as manifested in the poetry of the Eighteenth and Nineteenth centuries.

91. The Victorian Poets.—Spring. M. W. F., 2:30. Three hours credit. Reynolds.

92. The English Novel.—Autumn. M. T. W. Th., 9:30. Four hours credit. Jensen.

The history of English prose fiction to the time of Scott.

93. The Modern English Novel.—Winter. M. T. W. Th., 9:30. Four hours credit. Jensen.

A consideration of the technique of the novel and various phases of life reflected in this form of literature.

94. The English Essay.—Winter. M. T. W. Th., 2:30. Four hours credit. Jensen.

The origin and development of the essay. Contemporary essays will receive special attention.

95. Old English.—Winter. Daily, 8:30. Five hours credit. Christensen.

Old English grammar and reading exercises.

96. Beowulf.—Winter. Four hours credit. Christensen.

The entire poem is read in the original. Prerequisite, course 95. (Not given this year.)

97. The History of the English Language.—Spring. M. T. W. Th., 8:30. Four hours credit. Christensen.

An historical and philological study of the language from the Old English period to the present time.

98. Literary Criticism.—Spring. M. W. F., 2:30. Three hours credit. Christensen.

A study of the problems of criticism in the light of the history of critical theory.

99. Types of Poetry.—Spring. M. T. W. Th., 10:30. Four hours credit. Osmond.

A study of lyric, epic, and dramatic poetry.

Graduate Courses

(The Period Courses are each four hours credit.)

171. Medieval Literature.—Autumn, 9:30. Christensen.

172. English Literature from 1500 to 1660.—Winter. 9:30. Young.

173. English Literature from 1660 to 1780.—Spring, 9:30. Jensen.

174. English Literature from 1780 to 1832.—Winter, 10:30. Reynolds.

175. English Literature from 1832 to 1900.—Spring, 10:30. Reynolds.

181. Chaucer.—Autumn, 8:30. Four hours credit. Christensen.

183. Milton.—Spring, 9:30. Three hours credit. Christensen.

184. Wordsworth.—Spring, 2:30. Three hours credit. Jensen.

185. Tennyson.—Autumn, 2:30. Three hours credit. Reynolds.

186. Browning.—Winter, 2:30. Three hours credit. Reynolds.

195. Old English.—Spring. Daily, 8:30. Five hours credit. Christensen.

196. **Beowulf.**—Four hours credit. Christensen. (Not given this year.)

197. **The History of the English Language.**—Spring, 8:30. Christensen.

198. **Literary Criticism.**—Spring, 2:30. Three hours credit. Christensen.

200. **Thesis for Master's Degree.**—Time and credit to be arranged.

FINANCE AND BANKING

Professors Clark, Swenson, Miller; Mr. Ballif.

Lower Division Courses

14. **Economic and Financial History of the United States.**—Autumn. M. W. F., 9:30. Three hours credit.

The economic development of the United States through the colonial era and the period of the industrial revolution and westward movement, with emphasis upon economic integration and industrial organization.

17. **Public Finance.**—Spring. M. W. F., 2:30. Three hours credit. Miller.

The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration.

21. **Commercial Law.**—Autumn. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Political Science 43.)

Fundamental notions concerning legal principles and institutions; the law governing the formation, operation and effect, and performance of contracts; the law governing the acquisition and transfer of title to real and personal property, and rights based thereon. Leading cases decided by the courts will be examined.

22. Commercial Law.—Winter. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Political Science 44.)

A study of the law governing Negotiable Instruments, emphasizing the essential characteristics of this class of contracts and its commercial importance, together with rights and liabilities of parties hereto; also a study of the law governing sales of personal property as distinguished from gifts, barter, and bailments. Reference will be made to the leading cases decided by the courts.

23. Commercial Law.—Spring. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Political Science 45.)

A study of the law governing relationships arising out of business association. Agency, partnerships and corporations will be studied by an examination of the leading cases decided by the courts.

Upper Division Courses

51. Business Finance.—Autumn. M. T. W. Th., 9:30. Four hours credit. Clark.

Financial and legal status of the various forms of business organization. A brief study of the agreements, pools, legal trusts, corporation and holding companies. Practical questions such as capital and income; sources and uses of funds; forms of business associations; consolidations; promotions; capitalizations; investment of capital funds; disposition of gross earnings; betterment expenses; creation and distribution of surplus; insolvency and receivership; re-adjustment and re-organization. Economics 11 and 12, prerequisites.

52. Business Finance.—Winter. M. T. W. Th., 9:30. Four hours credit. Clark.

Continuation of course 51.

53. Money and Banking.—Spring. M. T. W. Th., 9:30. Four hours credit. Clark.

A study of the principles of money and banking and the exemplifications of these principles in the monetary and banking history of the United States. A study of the present-day currency and banking problems in the United States. Economics 11 and 12, prerequisite.

54. Investments.—Spring. M. T. W. Th., 9:30. Four hours credit. Clark.

A study of the various forms of investment; distinction between investment and speculation; methods of investment. Prerequisite, Finance and Banking 51. (Not given this year.)

GEOLOGY AND GEOGRAPHY

Professors Hansen, Martin; Associate Professor Hales; Mr. Coffman and Mr. ———.

GEOLOGY

Credit will not be allowed for both Geology 1 and 2 and Geography 1.

Geology 1, 2, 3, 30, 51 or 94, 91 and 92 are required of students majoring in Geology.

Lower Division Courses

1. Survey Course.—Autumn or Spring. Lectures M. W. F. at 10:30. Laboratory or field work M, 2:30-5:30. Four hours credit. Hansen.

A survey of the fields of physical and historical geology, which will give the student a basis for reading and thinking on the relation of the earth, man, and nature. For non-science students who have had no high school chemistry it is recommended that they precede this course by chemistry 1.

2. Physical Geology.—Autumn. Lectures. M. T. W. Th., 8:30, and two Saturday field trips. Lab. W., 1:30-4:30. Five hours credit. Hansen.

This course introduces in considerable detail the physical aspects of geology and should be elected by those intending to major in the subject.

3. Historical Geology.—Winter. Daily 8:30 and some assigned laboratory work. Five hours credit. Hansen.

A course in the development of the earth and the forms of life that have inhabited it. Prerequisites, Geology 1, or Geography 1 and 2.

30. Mineralogy.—Winter. T. Th., 10:30. Laboratory T. Th., 1:30 to 4:30. Four hours credit. Hansen. Prerequisite, high school chemistry or an introductory course in college chemistry.

An elementary course in the study of about 80 of the more common minerals that can be determined by simple chemical and blowpipe tests.

Upper Division Courses

51. Structural and Field Geology.—Spring. M. T. W. Th., 8:30 and forty hours laboratory or field work during the quarter. Five hours credit. Hansen.

A course in the recognition and interpretation of rocks, rock structures and deformations, on geological maps and in the field. Training in the making of geological maps and sections. Emphasis is laid on the influence of rock structures on the deposition of metal deposits and the accumulation of oil and water. Geology 1 or 2 and 3 prerequisite. This course alternates with course 94. (Not given this year.)

55. Sedimentation.—Winter. M. W. F., 8:30. Three hours credit. Hansen.

Lectures on the processes of sedimentation, supplemented by laboratory studies of unconsolidated sedi-

ments and sedimentary rocks with the idea of determining their origin and the conditions under which they are formed. (Not given this year.)

57. Soil Geology.—Spring. M. W. F., 8:30. Three hours credit. Martin. (See agronomy 57.)

61. Geology of the United States.—Spring. Daily. Five hours credit. Prerequisite, Geology 1 or 2. Hansen.

A thorough course in the stratigraphy of the United States by physiographic provinces. The materials published by the U. S. Geological Survey and the state surveys will be used.

63. Water Resources.—Autumn. M. W. Th., 1:30. Three hours credit. Coffman. (See Agronomy 63.)

A study of underground waters and their economic importance with special reference to streams, springs, wells, and drainage. Prerequisites Geology 1 and 3.

71. Invertebrate Paleontology.—Spring. T. Th., 10:30 and three hours laboratory work. Zoology 55 or Geology 3, prerequisites. Three hours credit. Hansen. This course alternates with course 72.

A study of invertebrate life forms, of the parts that may be fossilized, and of the conditions under which plant and animal remains have been preserved; and deals with the collection and preparation of fossils and their identification.

72. Vertebrate Paleontology.—Spring. T. Th., 10:30. Three hours Laboratory. Zoology 56 or Geology 3 prerequisite. Three hours credit. Hansen. (not given this year.)

73. Stratigraphy and Fossils of the Wasatch.—Autumn. Time to be arranged. Eight hours field or laboratory work. Geology 71 prerequisite. Three hours credit. Hansen.

A course in the rocks and fossils of the Wasatch

range giving the student experience in collecting and determining fossils and their age.

83. Seminar.—Autumn, Winter and Spring. One hour credit each quarter. Time to be arranged.

Open only to Junior and Senior students who are majoring or minoring in this department.

91. Economic Geology.—Non-Metals.—Winter. M. W. F., 10:30. Three hours credit. Hansen.

The geologic occurrence, economic importance and methods employed in mining the non-metallic mineral products such as coal, petroleum, gypsum, salts, etc. Attempts to evaluate these minerals in the United States and especially those in Utah. Suggests prospecting methods and the economic factors concerned in successful exploitation. Prerequisite, Geology 1 or 2 and 30. This course alternates with course 92. (Not given this year.)

92. Economic Geology—Metals.—Winter. M. W. F., 10:30 and three field trips. Three hours credit. Prerequisites, Geology 1 or 2 and 30. Hansen.

A study of the economically important deposits of ores of the metals, their occurrence, formation, and relationships, the nature of ore magmas and ore bearing solutions.

93. Ore Deposits of Utah.—Autumn. T. Th., 9:30, and trips to Tintic, Bingham and Park City Mining districts the expense of which the student must meet. Three hours credit. Hansen.

Intended to follow course 92. It deals with the genesis of the ores of Utah and their profitable extraction. Embraces a study of the mining districts of the state. Prerequisite Geology 92.

94. Engineering Geology.—Spring. W. T. F., 8:30. laboratory six hours per week. Three hour class and 2 hours laboratory. Five hours credit. Hansen. Geology 1 or 2 and 30, prerequisite.

A general course dealing with engineering problems in geology together with practical experience in the use of a transit, plane table and alidade, etc.

Graduate Courses

101, 102, 103. Research.—Hours and credit to be arranged. Hansen.

Special problems in the field of Geology will be assigned to students prepared to do original work.

110. Geology of Utah.—Autumn, T. Th., 1:30, and three long field trips, the expense of which is borne by the students. Three hours credit. Prerequisites, Geology 1, 2, and 51. Hansen.

Intended for advanced or graduate students who already have a working knowledge of Geology. Deals with the geologic history of the state and its development into distinct provinces. A thorough study of its stratigraphy is made; type localities will be visited to study the formations and structures.

121. Index Fossils.—Spring. M., 10:30 and six hours laboratory work by arrangement. Three hours credit. Hansen.

A course dealing with the fossils that mark the geologic periods in Utah. Prerequisites, Geology 2 and 71 or their equivalent.

155 Sedimentation.

191 Special Problems in Non-Metals.

192. Special Problems in Metals.

194. Engineering Problems in Geology.

200. Thesis Work.

GEOGRAPHY

Lower Division Courses

Credit will not be allowed for both Geology 1 and Geography 1 and 2.

1. Introductory Geography.—Winter. M. T. W. Th., 1:30. Three hours laboratory work. Five hours credit. Hansen and Coffman.

Course introducing all other work in the department. Deals with the fundamental principles of Geography whether political, historical, physiographic or economic. This course alternates with course 2.

2. Physiography.—Winter. M. T. W. Th., 1:30 and three hours laboratory work. Five hours credit. Hansen and Coffman. (Not given this year.)

A general course in the agencies at work on the earth's surface and the forms developed by them.

3. Advanced Physiography.—Spring. M. T. W. Th. F., 1:30 and several field trips by arrangement. Four hours credit. Geog. 2 prerequisite. Hansen.
Continuation of course 2 (Not given this year.)

21. Meteorology.—Autumn. M. T. W. Th.——. Four hours credit. Hales. (See Physics 21.)

This course deals with the physics of the Earth's atmosphere. It includes a study of the causes which produce variations in pressure, temperature, and humidity of the air and their influence upon the weather and the climate. This course is particularly valuable to those interested in aeronautics, weather bureau work, or teaching.

30. Geography of Economic Products.—Spring. Daily, 9:30. Five hours credit. Coffman. Geology 1 prerequisite.

This course deals with the geographic and human

factors that have governed the development and localization of industries.

Upper Division Courses

51. The Geography of Life.—Spring M. W. F., 10:30, and all day field trips. Four hours credit. Hansen.

Lectures and readings on the factors that control the distribution and abundance of plant, animal and human life. A thesis on some assigned aspect of the subject. (Not given this year.)

61. Geography of the United States.—Autumn. M. W. F. Three hours credit. Hansen. (Not given this year.)

Geography 1 and 2 are prerequisites to this course.

80. Human Geography.—Winter. M. W. F., 10:30. Three hours credit. Hansen. Geology 1 or 2 prerequisite.

The response man has made to his geographic environment. Deals less with men's modification and control of nature than with nature's effect on him.

Graduate Courses

100, 101, 102. Research.—Hours and credit to be arranged. Hansen.

Under this course special problems may be assigned students who are prepared to do original work in the field of Geography.

111. Physiography of Utah.—Spring. T. Th., 8:30, and three Saturday field trips. Three hours credit. Hansen.

Open to advanced students in Geography. Deals with the present surface forms of Utah and how they came to be developed.

- 161. Geography of United States.
- 180. Special Problems in Human Geography.
- 200. Thesis Work.

HISTORY

Professors Jensen, Snow.

Requirements for a Major in History

Students must present a minimum of fifteen hours of upper division credit in History. The upper division courses selected must be approved by the major professor at the time of registration.

Lower Division Courses

1. **History of Civilization.**—Autumn. Daily, 8:30. Five hours credit. Snow.

This course will neglect destructive forces, and survey constructively the whole field of human progress from the earliest developments to the present time. Orientation in all lines of human achievement is the primary objective. It is hoped that such a comprehensive view of the world will serve, in a small way at least, as an introduction to all the other studies in the curriculum, and at the same time broaden the sympathies of the students, give them a stronger feeling of fellowship toward all mankind, and increase their appreciation of the heritage of the ages. While planned more particularly for freshman and sophomore students, it will, it is hoped, be of value to all who desire exposure to the general phases of man's upward climbing.

10. **History of England to 1485.**—Autumn. M. W. F., 9:30. Three hours credit. Snow.

The origins of English institutions; the beginnings

of nationality; the Norman conquest and its results; feudalism in England; influence of Henry II and Edward I; parliamentary development of the 13th century; the beginning and development of popular rights; the rise of the industrial and commercial classes; the Hundred Years War; the Wars of the Roses.

11. History of England, 1485 to 1714.—Winter. M. W. F., 9:30. Three hours credit. Snow.

England under the Tudors; constitutional reaction; the struggle of the Stuarts with the forces of Puritanism; the Commonwealth and the Protectorate; influences of Cromwell; the Restoration; the Revolution of 1688; reign of Queen Anne.

12. History of England, 1714 to 1927.—Spring. M. W. F., 9:30. Three hours credit. Snow.

The development of cabinet government; the wars with France; the Napoleonic struggles; the conditions leading to the American Revolution and the loss of the American colonies; the expansion of the British Empire; the political, social, religious, and economic reforms of the nineteenth century; the Irish question; Great Britain in the World War; problems since the War.

20. History of United States to 1789.—Autumn. M. W. F., 2:30. Three hours credit. Jensen.

A study of the problems of discovery, exploration, and colonization; European conflicts for colonial possessions in America; causes, conflicts, and results of the American Revolution; establishment of state governments; the "Critical Period" and its problems; the work of the Federal Constitutional Convention; ratification of the Constitution.

21. History of United States, 1789 to 1861.—Winter. M. W. F., 2:30. Three hours credit. Jensen.

The establishment of a national government; political theories of Federalists and Anti-Federalists; Jeffersonian democracy; the Second War with England;

the "Rise of the New West"; formulation of the Monroe Doctrine; the Jacksonian "reign"; nullification; the Mexican war; economic, political, and moral phases of slavery.

22. History of United States Since 1861.—Spring. M. W. F., 2:30. Three hours credit. Jensen.

The problems of secession; the military, political, and economic aspects of the Civil War; problems of reconstruction; civil service reform; the Far West; Spanish American War; the Philippine question; industrial and social problems; diplomacy and foreign relations; political parties and party activities; participation in the World War; post-war problems.

23. Great American Political Personalities.—Autumn. T. Th., 8:30. Two hours credit. Jensen. (Not given this year.)

A study of the lives and times of prominent Americans who have helped to influence and shape American history from colonial times to the present.

28. History of Latin America.—Spring. M. W. F., 10:30. Three hours credit. Snow.

This course will cover in a summary fashion the history of colonial Hispanic America, and in a more thorough manner the history of the Hispanic American republics and their relation to the United States.

30. Early Oriental History.—Three hours credit. (Not given this year.)

This course deals with the most ancient civilizations of the world. A study is made of Egypt, Babylonia, Assyria, China, India, Arabia, Persia, the Hebrews, and other oriental races. Open to all students of college standing. The course will be helpful to those especially interested in the Jewish scripture.

Upper Division Courses

52. Grecian History.—Winter. M. W. F., 8:30. Three hours credit. Snow. (Not given this year.)

A study of the development of the political, social and economic life of the Greek people from the earliest time to the conquest by Alexander. The fifth and fourth centuries will be given special consideration.

53. Roman History.—Spring. M. W. F., 8:30. Three hours credit. Snow. (Not given this year.)

A brief survey of the earlier period and the Republic, and a more intensive study of the imperial period, its struggles and vicissitudes to the period of Justinian.

62. Medieval History.—Winter. M. W. F., 8:30. Three hours credit. Snow.

Studies covering the period from 500—1200. Considerable attention will be given to the Latin Church, the growth of Monasticism and the interrelation of Charlemagne's Empire and the Papacy, the growth and character of Feudalism, and finally review the rising power of the Church and European society in general in the twelfth century.

63. Medieval History c. 1200 - c. 1500.—Spring. M. W. F., 8:30. Three hours credit. Snow.

Social, economic, and cultural elements will be stressed in this course. The period will be closed with a study of the Italian Renaissance and the emergence of National states.

70. Revolutionary Europe, 1789 to 1852.—Autumn. M. W. F., 2:30. Three hours credit. Snow.

A study of the new forces of liberalism contributing to the French Revolution and greatly accentuated by the catastrophic event. These forces are studied in their exaggerated form to 1815, and in their struggle against reaction and absolutism after that date to 1852.

71. Europe, 1851 to 1907.—Winter. M. W. F., 2:30. Three hours credit. Snow.

Exaggerated nationalism. A study of the new in-

dustrial revolution and the era of the benevolent Bourgeoisie. Russia, Germany, Italy, France, and Austria are studied in the light of the new forces at work. Also the Near East question receives special attention.

72. Europe Since 1907.—Spring. M. W. F., 2:30. Three hours credit. Snow.

A study of the new imperialism and its far reaching results in Asia, Africa, Australia, and South America; International relations, 1870-1914; (a) the Concert of Europe, (b) the Hegemony of Germany, (c) the balance of power; general and immediate causes of the World War; the progress and conclusion of the War.

80. History of the West and the Ever Receding American Frontier.—Autumn. M. W. F., 3:30. Three hours credit. Snow.

After a brief survey of European expansion in North America and international rivalry for the Caribbean area and the Atlantic tidewater region, attention is given to the French in the heart of America and their eventual downfall at the hands of the English in 1763. Spanish expansion in the southwest and up the Pacific coast is given consideration. With this background and setting the American west and the significance of the frontier are given detailed study.

81. History of the West.—Winter. M. W. F., 3:30. Three hours credit. Snow.

The development and filling in of the Trans-Mississippi West and the acquisition of territory from Spain and Mexico in 1848.

82. History of the West.—Spring. M. W. F., 3:30. Three hours credit. Snow.

Various aspects of the frontier and the West in American politics. Western panaceas for economic ills, the cow countries, railroad activities, admission of omnibus states, disappearance of frontier in 1892.

95. American History to 1789.—Autumn. T. Th., 2:30. Two hours credit. Jensen.

A study of colonial institutions and the constitutional relations between the colonies and the mother country; the problem of British imperialism; constitutional theories and principles involved in the Revolutionary struggle; problems of the Confederation; the work of the Federal Constitutional Convention.

96. History of United States from 1789 to 1861.—Winter. T. Th., 2:30. Two hours credit. Jensen.

A study of the organization of the new government; the problems of nationality and state rights; the problems involved in slavery and in the expansion of the nation.

97. History of the United States Since 1861.—Spring. T. Th., 2:30. Two hours credit. Jensen.

An examination of the theory of secession; constitutional aspects of the war power; the problem of reconstruction; questions relating to industrial and economic expansion, insular possessions, the World War and its after effects.

Graduate Courses

153. Roman History.—Problems of agrarian reform and Roman imperialism.

162 and 163. Medieval History.—Intensive study of some particular century or institutional development.

170, 171, 172. Modern History.—Special modern questions designed for graduate students.

180. Western History.—Assigned topics and problems of research.

195. American History.—Problems of Colonial and Revolutionary history.

196. History of United States.—Topics in the development of American political and historical institutions.

197. History of United States.—Problems in recent American constitutional history.

Attention is called to courses in History of Religions and History of the Christian Church in the Department of Religious Education.

200. Research for Master's Thesis.

HOME ECONOMICS

Associate Professors Warnick, Cannon; Professors Elliott, Larsen; Miss Tuckfield, Miss Swenson, Miss Scorup.

It is advised that students in Home Economics take both major and minor in this department as this facilitates placement in teaching positions. Major or minor may be obtained in, Clothing and Textiles, or Foods and Nutrition, or Household Administration. Some Clothing and Textiles and Food and Nutrition credits will be accepted toward a major in Household Administration. It is recommended that the prerequisites of courses be taken as listed; Household Administration 71 and 72 are required of students expecting teaching positions although these courses do not count toward major requirements.

CLOTHING AND TEXTILES

Six approved hours of Food and Nutrition and Household Administration may count towards a major in Clothing and Textiles.

Lower Division Courses

1. Clothing.—Autumn. M. T. W. Th. Section 1, 8:30. Section 2, 9:30. Section 3, 2:30. Two hours credit. Tuckfield.

Prerequisite or parallels Art 21. Use and applica-

tion of commercial patterns to the user. Technical finishing of simple, machine-made garments. Lecture period will consider the purchasing of textiles, their construction and care. Making of wool dresses and tailored finishes.

2. Clothing.—Winter. M. T. W. Th., Section 1, 8:30. Section 2, 9:30, Section 3, 2:30. Two hours credit. Tuckfield.

Prerequisite, or parallels, Art 25. Study of silk textiles. Party dresses; emphasis placed on the correct finishing of each article. Lectures on the above textiles, colors and dress design.

3. Clothing.—Spring. M. T. W. Th. Section 1, 8:30. Section 2, 9:30. Section 3, 2:30. Two hours credit. Tuckfield.

Prerequisite, or parallel, Art 26. Summer dresses. Adapting the line and color to the form and complexion of the wearer. Important points in the social and artistic problems will be emphasized.

10. Dress Appreciation.—Autumn, Winter, and Spring. T. Th., 10:30. Two hours credit. Tuckfield.

The aim of this course is to give a practical knowledge and appreciation of good design in dress and to help the pupil choose her personal wardrobe wisely. Open to all students not majoring in home economics, and required of minors in clothing and textiles who do not take course 65.

Upper Division Courses

50. Clothing Decoration.—Autumn. M. T. W. Th., 9:30. Two hours credit. Elliott.

Decorative needle work stitches applicable to household and dress decoration. Planning and developing simple decorative designs for all types of clothing. Articles of clothing applying these stitches will be made in the course.

51. Clothing Technique.—Winter. M. T. W. Th., 9:30. Two hours credit. Elliott.

This course aims to give practice in the application of the use of commercial patterns. Proper technique of clothing construction will be emphasized.

52. Children's Clothing.—Spring. M. T. W. Th., 9:30. Two hours credit. Elliott.

A consideration of design and construction of children's clothing suitable to various ages and types.

55. Advanced Garment Construction.—Autumn. M. W. F., 2:30. Two hours credit. Elliott.

Practice in renovating and remodeling. The principles of tailoring and applying the same to clothing.

56. Advanced Garment Construction.—Winter. M. W. F., 2:30. Two hours credit. Elliott.

Problems involved in the technique of dresses, coats, and suits. Emphasis will be placed on the tailoring of these articles, supplemented with lectures, discussions and demonstrations.

57. Advanced Garment Construction.—Spring. M. W. F., 2:30. Two hours credit. Elliott.

Study of problems in seasonable materials of silk, cotton, linen, and rayon. Lectures and demonstrations on high school and college girl's wardrobe.

60. Textiles.—Autumn. T. Th., 10:30. Three hours credit. Elliott.

Prerequisite Chemistry 1. History of primitive and modern methods of manufacturing textiles. This includes a study of growth, preparation and manufacture of fibers as a basis of judgment in the purchase and use of materials used for clothing and house furnishings. Special consideration is given to the economic trend of the commonly used fibers.

61. Textiles.—Winter. T. Th., 10:30. Three hours credit. Elliott.

Continuation of course 60.

62. Textiles.—Spring. T. Th., 10:30. Three hours credit. Elliott.

Continuation of course 61.

Field trips to stores and industries to study material are part of this course.

65. Costume Design.—Winter. M. T. W. Th., 1:30. Three hours credit. Tuckfield.

Principles of art applied in the selection and designing of appropriate costumes. A brief study of the historic costumes.

66. Applied Costume Design.—Spring. M. W. F., 1:30. Two hours credit. Tuckfield.

Designing with models applied to costumes designed in previous course. Prerequisite, course 65.

FOODS AND NUTRITION

Four approved hours of Clothing and Textiles or Household Administration may count toward a major in Foods and Nutrition.

Lower Division Courses

1. Food Problems in the Home—Autumn. T. Th. Lecture 2:30-3:30; Laboratory 3:30-5:30. Three hours credit Scorup.

For girls not majoring in home economics who desire some experience in the planning, preparation, and serving of adequate, well-cooked family meals. Considers costs, selection, and preservation of foods; preparation of breakfast dishes, the planning, preparation and serving of breakfasts at a limited cost.

2. Food Problems in the Home.—Winter. T. Th. Lecture 2:30-3:30. Laboratory 3:30-5:30. Three hours credit. Scorup.

A continuation of course 1. Planning a convenient kitchen; selection of kitchen equipment; preparation of luncheon and dinner dishes; the planning, preparation,

and serving of various types of family luncheons and dinners at a limited cost. Managerial ability and marketing is stressed.

4. Cookery Problems.—Spring. M. W. F., Laboratory 7:30-8:30. One hour credit. Scorup.

For men desiring experience in simple meal preparation.

5. Elementary Nutrition.—Winter. T. Th., 9:30. Spring. 10:30. Cannon, Scorup. Two hours credit.

A study of the nutritive properties of common food materials and the essentials of an adequate diet. As this course is designed primarily for normal students, food for the school child will receive special attention. Open to men and women students and required of students minoring in Foods and Nutrition who do not take course 53.

10. Food Selection, Preparation, and Serving.—Autumn. M. W. Lecture 2:30-3:30. Laboratory, Sec. 1, 8:30-10:30; Sec. 2, 3:30-5:30. Three hours credit. Scorup.

Prerequisite, Chemistry 1 and 2 or equivalent. Special emphasis is placed on experimental cookery. The economy, the palatability, and proper balance of meals are considered. Special emphasis is placed on dishes suitable for breakfast and their serving.

11. Food Selection, Preparation, and Serving.—Winter. M. W. Lecture 2:30-3:30. Laboratory. Sec. 1, 8:30-10:30, Sec. 2, 3:30-5:30. Three hours credit. Scorup.

Prerequisite, Course 10. A continuation of course 10, with special emphasis on different luncheon dishes. Various types of luncheons are served.

12. Food Selection, Preparation and Serving.—Spring. M. W. Lecture 2:30-3:30. Laboratory. Sec. 1, 8:30-10:30; Sec. 2, 3:30-5:30. Three hours credit. Scorup.

Prerequisite course 11. A continuation of courses 10 and 11. Special emphasis is placed on formal table service. Dishes and menus for different types of dinners are studied.

15. Food Economics.—Autumn. T. Th., 10:30. Two hours credit. Scorup.

Prerequisite, Home Economics 10, 11, 12.

Food marketing and purchasing. Principles underlying selection of materials and supplies, markets, advertising and brands will be considered with reference to public economy and conservation. Food budgets and preservation of foods. Special assignments will be made in food marketing problems. The subject is approached from the viewpoint of the buyer of foods and the teacher of home economics.

16. Food Economics.—Winter. T. Th., 10:30. Two hours credit. Scorup.

A continuation of course 15.

Upper Division Courses

50. Large Quantity Cookery and Marketing.—Autumn, Winter or Spring. Daily. 10:30-1:30. Five hours credit. Cannon.

Experience in management of school cafeterias, quantity cookery, marketing, keeping of cafeteria accounts. Prerequisites or parallels courses 10, 11, 12, or equivalents and 51. Students should register in the fall for a place during the year. Limited to five students each quarter.

52. Nutrition of Children.—Spring. T. Th., 2:30. Cannon.

A consideration of the nutritional requirements of and disorders of pregnancy, infancy, the pre-school and the school child. (Not given this year.)

53. Nutrition.—Autumn. M. W. F., 9:30. Four hours credit. Cannon. Laboratory Wed. 2:30-5:30.

Prerequisites, Chemistry 1, 2, 7 and Home Economics 10, 11, 12. A study of the chemistry, digestion and metabolism of carbohydrates, fats, and proteins, also the properties of food and their effect on health and growth. This course and the two following, should be taken whenever possible in the junior year.

54. Dietetics.—Winter. M. W. F., 9:30. Laboratory 2:30-5:30. Four hours credit. Cannon.

Prerequisite, course 53. A continuation of course 53, with a discussion of the latest work on minerals and their metabolism, vitamins and the deficiency diseases. The food requirements of the family and individual are considered.

55. Nutrition in Disease.—Spring. M. W. F., 9:30. Laboratory Wednesday 2:30-5:30. Four hours credit. Cannon.

Prerequisite, courses 53 and 54. This course deals with the value of food in maintaining health. Emphasis is placed on special diets for different diseases.

56. Seminar in Nutrition.—Spring. T. Th., 2:30. Two hours credit. Cannon.

Required of all senior girls majoring in Foods and Nutrition.

57. Advanced Problems in Cookery.—Winter. Time to be arranged. Two hours credit. Lecture and laboratory period. Scorup. (Not given this year.) year.)

58. Experimental Animal Nutrition.—Open to seniors and graduates only. Prerequisite 5 hours in organic or biochemistry and courses 53 and 54. This course is designed to acquaint students with the methods used in small animal experimentation. One hour lecture. Laboratory time and credit to be arranged. (See Animal Husbandry 98.) (Not given this year.)

HOUSEHOLD ADMINISTRATION

Ten approved hours of Food and Nutrition and Textiles and Clothing may count towards a major in this field.

Lower Division Courses

1. Household Problems.—Autumn. T. Th., 9:30. Two hours credit. Warnick.

This course will present the most important problems in the organization and management of the household, including a simple study of the family income and its expenditure. Open to housewives and to students not majoring in home economics.

10. Family Health.—Winter. T. Th., 9:30. Two hours credit. Warnick.

A consideration of factors underlying health, common communicable diseases and their treatment; home care of the sick.

Upper Division Courses

50. Home Planning and Applied Art.—Winter. M. W. F., 1:30. Two hours credit. Larsen.

Historic development of the house. Study of American styles of home architecture. Proper location and environment for the home. House planning, study of plans and specifications. Effect of form, line and color. Two recitations and one studio hour. Prerequisite, Art 21. (See Art 80.)

51. Home Planning and Applied Art.—Spring. M. W. F., 1:30. Two hours credit. Larsen.
Continuation of Course 50. (See Art 81.)

60. Home Management.—Autumn. M. W. F., 8:30. Three hours credit. Warnick.

The study of the organization and management of the home, including home ideals, methods of work,

division of time in the household and household tools.

61. Economics of the Household.—Winter. M. W. F., 8:30. Three hours credit. Warnick.

A study of the household in its economic and social relation, including a study of the family income and its expenditure. Prerequisites, Sociology 11 or Economics 11.

62. Family Relationships.—Spring. M. W. F., 8:30. Three hours credit. Warnick.

The modern family: Its function and structure; modern social conditions affecting its stability and pattern; characteristics of well adjusted family; desirable traits of family members; responsibilities and contributions of members of the family group to the family life, economic, social, moral, spiritual. Preparation for marriage. Open to men and women students.

70. Vocational Survey of Field of Home Economics.—Fall. Monday, 1:30. One hour credit.

Members of Home Economics Faculty.

Vocational opportunities for the home economics trained woman are investigated and discussed with the view of directing major students in selecting the field for which they are best adapted. Required of all junior students, also seniors who have not previously had the course.

71. Methods of Teaching Home Economics.—Spring. T. Th., 8:30. Two hours credit. Warnick.

A study of adapting home economic courses to existing home and community needs; equipment and teaching facilities; laboratory arrangement and management; the teacher and professional adjustment. For juniors majoring in home economics, who are preparing to teach.

72. Methods of Teaching Home Economics.—Autumn. T. Th., 8:30. Two hours credit. Warnick.

A discussion of objectives, teaching methods in

their relation to home economics, curriculum content, project teaching and related subject matter. For seniors in home economics who are preparing to teach.

(See Secondary Teaching 67.)

80. Child Care.—Winter. M. W. F., 1:30. Three hours credit. Warnick.

Agencies working for child welfare; problems of prenatal and infant care; physical and mental standards of development; general care and hygiene of mother and child.

81. Child Development.—Spring. M. W. F., 1:30. Three hours credit. Warnick.

Habit formation and behavior problems of the infant and pre-school child; home influence in the care and training of children; mental hygiene, observation of children in the home.

82. Seminar in Child Development.—Spring. One hour credit. Time to be arranged. Warnick.

HORTICULTURE

Assistant Professor Morris, Mr.———

Students majoring in Horticulture are required to take the following: 1, 3, 4, 6, 51, 53, 57, 59. Botany 12 should be taken the first year.

Lower Division Courses

1. Principles of Pomology.—Winter, M. W. F., 8:30, laboratory M. 2:30-5:30. Four hours credit. Mr.———.

The principles underlying profitable orchard management. Profits will be emphasized. History of orcharding in the United States, methods of planting selection of locations and sites, marketing, storage, harvesting, thinning, proper care of the trees.

2. Olericulture.—Winter. M. W. F., 8:30, laboratory M. 2:30-5:30. Three hours credit. Mr._____.

The underlying principles of home and commercial vegetable production. Production for better Profits emphasized.

3. Plant Propagation.—Winter. T. Th., 10:30. Laboratory W., 2:30-5:30. Three hours credit Mr._____.

Sexual and asexual means of propagation studied, spores, seeds, grafting, budding, cutting, laying, separation.

4. Ornamental Plant Materials.—Winter. T. Th., 9:30, laboratory W. 2:30-5:30. Three hours credit. Mr._____.

Woody and herbaceous plants used in landscape gardening. The student will learn to identify trees, shrubs and flowers; also the adaptations of each to the garden. Required for Horticulture 5.

5. Landscape Design.—Winter. M. W. F., 9:30. Laboratory T. and Th., 2:30-5:30. Five hours credit. Mr._____.

Designing of city and country home grounds for beauty and use. Horticulture 4 is required for this course.

6. Ornamental Plant Materials.—Winter. M. W., 9:30, laboratory T. 2:30-5:30. Three hours credit. Mr._____.

Woody and herbaceous plants for spring effect. This course is a continuation of Horticulture 4; it is concerned chiefly with plants for spring and summer effect.

7. Small Fruits.—Winter. M. W. Laboratory W., 2:30-5:30. Three hours credit. Mr._____.

A study of varieties, propagation, cultural methods, pruning, training, insect and disease control, and harvesting. Crops studied are grapes, strawberries, raspberries, dewberries, blackberries, currants and gooseberries.

Upper Division Courses

51. Origin and History of Cultivated Plants.—Winter. T. Th., 8:30. Two hours credit.

Study of origin of species and varieties. Changes and adaptation of plants. Interesting historical facts of plants.

52. Systematic Pomology.—Winter. T. Th., 1:30 laboratory, F., 2:30-5:30. Three hours credit.

Emphasis placed on identification of fruits and fruit trees. Wild and cultivated species studied. Development of varieties from species. Description and nomenclature.

53. Fundamentals of Fruit Production.—Winter. M. W. F., 1:30. Three hours credit.

A technical course based upon plant physiology and morphology as applied to fruit production. Nutrition, water relations, winter injury, pollination problems, physiology of pruning, climatic factors will be studied.

54. Commercial Gardening.—Winter. T. Th., 2:30. Two hours credit.

A study of large scale production for canning factories, special and general markets.

55. Practical Problems in Horticulture.—Winter. Laboratory course. Time to be arranged. One hour credit.

A study of horticultural problems in Utah. Orchards and plantations will be visited and studied.

59. Plant Breeding.—Winter. M. W. F., 2:30. Three hours credit.

A study of plant genetics in relation to improvement of plants. Methods of hybridizing and selection for the development of plant varieties, as practiced in Europe and America. Prerequisite, Genetics (given in Zoology and Botany departments.)

58. Seminar.—Three hours credit. Time to be arranged.

A study of the research work being done at the various Experiment Stations. For seniors majoring in Horticulture.

Graduate Courses

101. Methods of Research.—Time and credit to be arranged.

Methods used in the investigation of horticultural problems. Study of published reports, outlining, methods of attack.

102. Research.—Time and credit to be arranged.

Students who are qualified are required to do some horticultural research problems.

LIBRARY

Miss Ollorton, Mrs. Gillispie, and Mrs. Brown.

11. Use of Books and Libraries.—Autumn, Winter, or Spring. 3:30. Th. One hour credit.

The purpose of this course is to help students to become efficient in using books and libraries. The use of reference books and an understanding of the card catalog will receive special emphasis.

MATHEMATICS

Professors Eyring, Marshall; Associate Professor Hales.

Students who major in Mathematics have the following Courses prescribed: Mathematics 11, 12, 49, 50, 51, 52, 71, 72.

Lower Division Courses

11. College Algebra.—Winter. Daily. 8:30 and 2:30. Five hours credit. Eyring and Marshall.

A study of fractions, exponents and radicals, quadratic equations, logarithms, elementary series, determinants, etc.

12. Plane Trigonometry.—Autumn. Daily. 8:30, and 2:30. Five hours credit. Eyring and Marshall.

13. Graphical and Statistical Methods.—Spring. 9:30. Daily. Five hours credit.

The graphical representation of data, method of average measurement of variability, correlation, probable errors, etc. (Not given this year.)

14. Principles of Statistics.—Autumn. Four hours credit. See Accounting and Business 74. Hoyt.

35. Mathematical Theory of Investments.—Spring. M. W. F., 10:30. Three hours credit. Marshall.

Application of Algebra to general business problems, such as annuities, amortization, capitalization, depreciation, sinking fund, bond values and building and loan associations.

45. Advanced Statistics.—Time to be arranged. Three to five hours credit. (See Accounting and Business Administration 75.) Hoyt.

49. Analytic Geometry.—Spring. Daily. 8:30. Five hours credit. Eyring.

A study of rectangular co-ordinates, straight line, circle, parabola, ellipse, hyperbola, transfer of co-ordinates, etc. Prerequisites: Mathematics 11 and 12.

Upper Division Courses

50. Differential Calculus.—Autumn. M. T. W. Th., 8:30. Four hours credit. Marshall.

An introductory course with numerous applications of the principles to tracing of curves, and the solution of problems from geometry and mechanics.

51. Integral Calculus.—Winter. M. T. W. Th., 8:30. Four hours credit. Hales.

The purpose and nature of integration is developed. Principles applied to problems in geometry, mechanics and physics.

52. Advanced Calculus.—Spring. M. T. W. Th., 8:30. Four hours credit. Marshall.

Development of the definite integral as a sum, together with development of the more theoretical aspects of the differential calculus. Use of partial derivatives, mutiple integrals, development in series, Green's Theorem, etc.

61. Definite Integrals.—Autumn. 8:30. Four hours credit. (Not given this year.)

The study in detail of the definite integral as a sum, differentiation of definite integrals, etc.

71. Differential Equations.—Autumn. M. W. F., 1:30. Three hours credit. Marshall.

The study of differential equations of the first order, linear differential equations, total and partial differential equations with numerous applications to physics. Junior or Senior year.

72. Differential Equations.—Winter. M. W. F., 1:30. Three hours credit. Marshall. Continuation of 71.

86. Analytical Mechanics.—Spring. M. W. F., 1:30. Five hours credit. Marshall.

The general principles of mechanics; the statics and dynamics of particles, rigid bodies and fluids.

Graduate Courses

101. Vector Analysis.—Winter. M. W. F. Three hours credit. Marshall.

Fundamental operations of vector analysis. (Not given this year.)

102. Vector Analysis.—Spring. M. W. F. Three hours credit. Marshall.

Application of vector analysis to mechanics, electromagnetic theory, and other branches of mathematical physics. (Not given this year.)

171. Differential Equations.—Autumn. M. W. F., 1:30. Three hours credit. Marshall.

172. Differential Equations.—Winter. M. W. F., 1:30. Three hours credit. Marshall.

187. Advanced Mechanics.—Five hours credit. (Not given this year.)

MECHANIC ARTS

Assistant Professor Snell; Professors Nelson, Martin, Hansen, Eastmond, Larsen; Mr. Bigelow, Mr. Coffman.

For mechanic arts teachers, it is advised that both major and minor be taken in this department.

MECHANICS

Lower Division Courses

1. Art Metal Work.—Winter. M. W. F. Two hours credit. Eastmond and Larsen. (See Art 34.)

2. Art Leather Work.—Spring. M. W. F.. Two hours credit. Eastmond and Larsen. (See Art 35.)

4. Shop Practice.—Autumn. Daily 1:30-3:30. Three hours credit. Snell.

The making of projects suitable for junior and senior high school instruction in sheet metal, cold iron, and electrical lighting circuits, buzzers, bells, heating elements, etc.

5. Ornamental Iron Work.—Autumn. T. Th., 1:30-3:30 or 3:30-5:30. Two hours credit. Snell.

Craftsmanship in wrought iron work. Designing, cutting, sawing, bending, drilling, tapping, threading, finishing, etc. Lectures and outside preparation.

7. Tool Technique.—Autumn, Winter, Spring. M. W. F., 1:30-3:30 or 3:30-5:30. Two hours credit. Snell.

Required of all prospective teachers. Sharpening, care and use of woodworking hand tools applied in fundamental principles of sawing, joining, fitting, fastening, etc.

11. Elementary Auto Mechanics.—Autumn. Daily, 3:30-5:30. Three hours credit. Bigelow.

Construction of the automobile and an elementary study of the principles involved. Lubrication, assembling and repairing of brakes, rear axels, transmission systems and engines. Drafting recommended as parallel course. Lectures and demonstrations twice a week.

12. Elementary Auto Mechanics.—Winter. Daily, 3:30-5:30. Three hours credit. Bigelow.

Construction and adjustment of carburetors and ignition systems.

13. Elementary Auto Mechanics.—Spring. Daily, 3:30-5:30. Three hours credit. Bigelow.

Ignition, timing, "trouble shooting", battery work and starting and lighting systems.

17. Wood Turning.—Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Three hours credit. Snell.

Exercises and projects in wood turning executed through individual designs.

18. Pattern Making.—Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Three hours credit. Snell.

The principles of pattern making are taught

through the making of simple patterns for machine parts.

19. Wood and Metal Finishing.—Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Three hours credit Snell.

Preparation of surfaces for the application of finishes. Staining, painting, varnishing, lacquering, polishing, etc. Use of the brush and air gun.

21. Upholstery and Seat Weaving.—Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Three hours credit. Snell.

Typical forms of upholstery, including foundations with and without springs. Seat and panel weaving with cane and fiber.

23. Cement.—Spring. M. T. W. Th., 3:30-5:30. Three hours credit. Snell.

Cements, mixes, tests, forming, finishing, etc, in structural and ornamental projects.

27. Cabinet Construction.—Autumn. M. T. W. Th., 1:30-3:30. Snell.

This course is designed to teach the principles of cabinet construction. After the problem is chosen, drawings are submitted and the article is made to conform to these. Training is given in the use of modern wood-working machinery. Woods commonly used in cabinet work are studied as to their adaptability and finishing qualities; veneering, inlaying and polishing. Credit given on the basis of three hours credit for 9 hours application each week. Prerequisite. Drawing 13.

28. Cabinet Construction.—Winter. M. T. W. Th., Snell.

Continuation of 27.

29. Cabinet Construction.—Spring. M. W. F., 1:30-3:30. Snell.

Continuation of 28.

Upper Division Courses

51. Ignition.—Autumn. Bigelow. Credit given on the basis of three hours credit for ten hours application each week.

Battery, vibrator, and magneto ignition. Study and practice of the principles involved in testing for troubles and making adjustments.

52. Generators and Starting Motors.—Winter. Bigelow. Hours and credit as in 51.

The working principle of the dynamo, and testing for shorts and open circuits. Reverse current cutouts, types of generator regulation as third brush control systems. Testing and adjustments of the generator output.

53. Machine Work and Welding.—Spring. Bigelow. Hours and credit the same as in 51.

Drill-press, lathe, and planer work. Principles of cutting tools, forging and tool sharpening. The use of the torch in cutting and welding.

57. Standard Construction Methods.—Autumn. M. W. F., 8:30. Three hours credit. Snell.

This course deals with the theoretical side of building. Location, soil conditions, footings, materials, equipment, etc.

58. Carpentry.—Either quarter. M. T. W. Th., 3:30-5:30. Three hours credit. Snell.

Thorough drill in saw filing, Tool practice applied in practical problems. Fitting and hanging doors and windows, building in cabinets, stair construction and framing, Prerequisite, course 7; and Drawing 13.

59. Estimating.—Spring. M. W. F., 8:30. Three hours credit. Snell.

Interpretation of plans and specifications. Methods of estimating and figuring cost of material and labor for excavations, foundations, cement work, heat-

ing, plumbing, painting, etc. Permits, contracts, liens. Prerequisite, Drawing 13.

64. Mill Work—Woodworking Machinery—Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Credit will be given on the quality and quantity of work accomplished on the basis of nine hours application each week for three hours credit. Snell.

Work will be handled as nearly as possible as in actual practice. Estimates and working drawings will be made and a careful check of material and labor kept and computed for each job.

65. Shop Work.—Autumn. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Credit given on the basis of three hours for nine hours application each week during the quarter. Snell.

Under the supervision of the instructor, students may do advance work, consisting of the erection of buildings, cabinet work, upholstery, pattern work, or novelty work. Complete plans and specifications must be submitted and accepted before work is begun. Prerequisite, courses 57, 58, 59 or their equivalents.

66. Shop Work.—Winter. Snell. Time credit, etc., as in 65.

Continuation of 65.

67. Shop Work.—Spring. Snell. Time, credit, etc., as in 66.

Continuation of 66.

DRAWING

While courses are listed according to quarters, any course may be taken any quarter, provided prerequisites have been met.

Lower Division Courses

1. Theory and Practice of Design.—Autumn. M.

W. F., 1:30. Two hours credit. Eastmond and Larsen (See Art 21.)

2. Elements of Drawing.—Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

This course is designed to give some facility in lettering, drawing of simple working drawings, charts, graphs, making sketches and reading drawings. (See Accounting and Business Administration 10.)

3. Free-Hand Lettering.—Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Practice in lettering as applied in architectural and engineering office work.

4. Engineering Drawing.—Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

The care and use of instruments, lettering and applied geometry.

5. Engineering Drawing.—Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Orthographic projection and pictorial representation. Prerequisite, Drawing 4.

6. Engineering Drawing.—Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Developed surfaces and intersections. Prerequisite, Drawing 5.

7. Descriptive Geometry. Autumn, Winter or Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

This course includes a study of the principles relating to the point, line plane, cylinder, cone and double-curved surfaces of revolution, with application to practical problems. Prerequisites, Mathematics 11 and Drawing 4, 5 and 6.

8. Elementary Machine Design.—Autumn. Daily 9:30 or 10:30. Two hours credit. Snell.

Drawing of machine fastenings, such as bolts, screws, rivets, keys, etc. Dimensionings, working drawings and technical sketching. Detail and blue-prints. Prerequisite, Drawing 4, 5, and 6.

9. Elementary Machine Design.—Winter. Daily, 9:30 or 10:30. Two hours credit.

Continuation of 8.

10. Shades and Shadows.—Autumn, Winter or Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Planned to give fundamental knowledge necessary for casting shadows in architectural design.

11. Instrumental Perspective.—Autumn, Winter, or Spring. Daily 9:30 or 10:30. Two hours credit.

The theory and application of methods of drawing architectural perspectives. Prerequisites, Drawing 4, 5, and 6, or equivalent.

12. Instrumental Perspective.—Autumn, Winter or Spring. Daily 9:30 or 10:30. Two hours credit.

Continuation of 11.

13. Architectural Drawing.—Autumn, Winter, Spring. Daily 9:30 or 10:30. Two hours credit. Snell.

Drawing of plans, elevations, and details of different types of buildings. Tracing and blue-printing. Prerequisite, Drafting 4, 5, and 6, or equivalent.

14. Architectural Drawing.—Winter. Daily, 9:30 or 10:30. Two hours credit.

Continuation of 13.

15. Architectural Drawing.—Spring. Daily 9:30 or 10:30. Two hours credit.

Continuation of 14.

19. Topographical Drawing.—Autumn, Spring. Daily, 9:30 or 10:30. Two hours credit.

Practical elementary work in topographical drawing. Mapping and plotting from field notes. Prerequisite, Drawing 4, 5, and 6.

Upper Division Courses

51. Design.—Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Designing and drawing of a set of plans, with tracings, blue-prints specifications, etc., complete for actual construction. A complete set of plans each quarter. Prerequisites, Drawing 13, 14, and 15.

52. Design.—Winter. Daily, 9:30 or 10:30. Three hours credit.

Continuation of 51.

53. Design.—Spring. Daily, 9:30 or 10:30. Three hours credit.

Continuation of 52.

ENGINEERING

Drawing 4, 5, 6, 7, and Mechanics 7, 18, 51, 52, 53, 57, 59 are required of all pre-engineering students.

Lower Division Courses

1. Elementary Surveying.—Autumn, Spring. M. W. F., 3:30. Two hours credit. ———.

Methods of using the compass, tape, level and transit in making plain surveys are explained by lectures and field exercises. Drawings necessary to interpret and plot surveying field notes are made. Prerequisite, Trigonometry, Drawing 4, 5, 6, 7.

Upper Division Courses

63. Ground Waters.—Autumn. M. W. F., 1:30. Three hours credit. Coffman. (See Agronomy 63.)

91. Economic Geology.—Non-Metals.—Winter. M. W. F., 10:30. Three hours credit. Hansen. (See Geology 91.)

92. Economic Geology.—Metals.—Winter. M. W.

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F., 10:30. Three hours credit. Hansen. (See Geology 92.)

94 Plane Table Surveying.—Spring. M. W. F., 3:30. Two hours credit. Hansen and Snell. (See Geology 94 and Drawing 19.)

MODERN AND CLASSICAL LANGUAGES

Professors Cummings and De Jong, Mrs. Roberts,
Miss Black, Mr. Young, and Mr. Whetten.

Students who major in Modern Languages are required to furnish Courses 1, 2, 3; 54, 55, 56; 61, 62, 63; 71, 72, 73, or 81, 82, 83; and 89.

GERMAN

Lower Division Courses

1. Elementary German.—Autumn. Daily, 2:30. Five hours credit. Cummings.

Designed for those who have had no German. Pronunciation, easy reading, and the fundamentals of grammar.

2. Elementary German.—Winter. Daily, 2:30. Five hours credit. Cummings.

Prerequisite, German 1, or one year of German in high school. Reading, vocabulary building, and grammar drill.

3. Intermediate German.—Spring. Daily. 2:30. Five hours credit. Cummings.

Prerequisite, German 2. Readings, conversation and grammar drill.

Upper Division Courses

54. Advanced German.—Autumn. M. W. F., 9:30. Three hours credit. Cummings.

Prerequisite, German 3 or two years of German in

high school or fifteen hours credit in German. Comprehensive study of grammar. Conversation and composition based on reading.

55. Advanced German.—Winter. M. W. F., 9:30. Three hours credit. Cummings.

Prerequisite, German 54. Reading, conversation and composition.

56. Advanced German Reading.—Spring. M. W. F., 9:30. Three hours credit. Cummings.

Prerequisite, German 55. Reading from the general field, including drama, fiction, magazine articles, newspapers, etc.

61, 62, 63. German Composition and Conversation—Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit each quarter. De Jong.

Prerequisite, fifteen hours of German and the consent of the instructor. (Not given this year.)

71. Contemporary German Civilization.—Autumn. M. W. F., 9:30. Three hours credit. De Jong.

Open to all students. The life, customs, sciences, art, etc., of present-day Germany. Lectures given in English. Outside reading may be done in English or German. (Not given this year.)

72. Survey of German Literature.—Spring. M. W. F., 9:30. Three hours credit. De Jong.

Prerequisite, twenty hours of German. A general survey of German literature from the beginning to 1715. Illustrative readings. (Not given this year.)

73. Survey of German Literature.—Spring. M. W. F., 9:30. Three hours credit. De Jong.

Prerequisite, twenty hours of German. A general survey of German literature of eighteenth and nineteenth centuries. Illustrative readings. (Not given this year.)

81. Modern German Fiction.—Autumn. M. W. F., 9:30. Three hours credit. De Jong.

Prerequisite, fifteen hours of German and the consent of the instructor. (Not given this year.)

82. Modern German Plays.—Winter. M. W. F., 9:30. Three hours credit.

Prerequisite, fifteen hours of German and the consent of the instructor. (Not given this year.)

83. Modern German Poetry.—Spring. M. W. F., 9:30. Three hours credit. De Jong.

Prerequisite, fifteen hours of German and the consent of the instructor. (Not given this year.)

89. Problems of Teaching German.—Autumn. T. Th., 1:30. Two hours credit. Cummings.

Prerequisite, thirty hours of German.

Graduate Courses

At least 38 hours of undergraduate German is prerequisite to any graduate course.

101, 102, 103. Advanced German Composition and Conversation.—Autumn, Winter and Spring. T. Th. Two hours credit each quarter. De Jong. (Not given this year.)

111, 112, 113. German Literature of the Eighteenth, Nineteenth and Twentieth Centuries Respectively.—M. W. T. Three hours credit each quarter. De Jong. (Not given this year.)

121, 122, 123. German Novel from 1800 to the Present. —Two hours credit each quarter. (Not given this year.) De Jong.

131, 132, 133. German Drama from 1800 to the Present.—Two hours credit each quarter. (Not given this year.) De Jong.

141. Lessing.—Autumn. Two hours credit. De Jong. (Not given this year.)

142. **Schiller.**—Winter. Two hours credit. De Jong. (Not given this year.)

143. **Goethe.**—Spring. Two hours credit. De Jong. (Not given this year.)

FRENCH

Lower Division Courses

1. **Elementary French.**—Autumn. Daily 10:30 or 1:30. Five hours credit. Roberts.

Designed for those who have had no French. Pronunciation, easy reading, and the fundamentals of grammar.

2. **Elementary French.**—Winter. Daily 10:30 or 1:30. Five hours credit. Roberts.

Prerequisite, French 1, or one year of French in high school. Reading, vocabulary building, and grammar drill.

3. **Intermediate French.**—Spring. Daily 10:30 or 1:30. Five hours credit. Roberts.

Prerequisite, French 2. Reading, conversation, and grammar drill.

Upper Division Courses

54. **Advanced French.**—Autumn. M. W. F., 2:30. Three hours credit. Young.

Prerequisite, French 3 or two years of French in high school or fifteen hours credit in French. Comprehensive study of grammar. Conversation and composition based on reading.

55. **Advanced French.**—Winter. M. W. F., 2:30. Three hours credit. Young.

Prerequisite, French 54. Reading, conversation and composition.

56. Advanced French Reading.—Spring. M. W. F., 2:30. Three hours credit. Young.

Prerequisite, French 55. Reading from the general field, including drama, fiction, magazine articles, newspapers, etc.

61, 62, 63. French Composition and Conversation.—Autumn, Winter, Spring. T. W. Th., 3:30. Three hours credit. Cummings.

Prerequisite, fifteen hours of French and the consent of the instructor.

71. Contemporary French Civilization.—Autumn. M. W. F., 1:30. Three hours credit. Cummings.

Open to all students. The life, customs, sciences, art, etc., of present-day France. Lectures given in English. Outside reading may be done in English or French. (Not given this year.)

72. Survey of French Literature.—Winter. M. W. F., 3:30. Three hours credit. Cummings.

Prerequisite, twenty hours of French. A general survey of French literature from the beginning to 1715. Illustrative readings. (Not given this year.)

73. Survey of French Literature.—Spring. M. W. F., 3:30. Three hours credit. Cummings.

Prerequisite, twenty-four hours of French. A general survey of French literature of the eighteenth and nineteenth centuries. Illustrative readings. (Not given this year.)

81. Modern French Fiction.—Autumn. M. W. F., 3:30. Three hours credit. Cummings.

Prerequisite, fifteen hours of French and the consent of the instructor.

82. Modern French Plays.—Winter. M. W. F., 3:30. Three hours credit. Cummings.

Prerequisite, fifteen hours of French and the consent of the instructor.

83. Modern French Poetry.—Spring. M. W. F., 3:30. Three hours credit. Cummings.

Prerequisite, fifteen hours of French and the consent of the instructor.

89. Problems of Teaching French.—Autumn. T. Th., 1:30. Two hours credit. Cummings.

Prerequisite, thirty hours of French.

Graduate Courses

At least 38 hours of undergraduate French are prerequisite to any graduate course.

101, 102, 103. Advanced French Composition and Conversation.—Autumn, Winter, Spring. 3:30. Two hours credit each quarter. Cummings. (Not given this year.)

111, 112, 113. French Literature of the Seventeenth, Eighteenth, and Nineteenth Centuries Respectively.—Autumn, Winter, Spring. 1:30. Three hours credit each quarter. (Not given this year.) Cummings.

121. French Novel from 1800 to the Present.—Autumn, Winter, Spring. Two hours credit each quarter. (Not given this year.) Cummings.

131. French Drama from 1800 to the Present.—Autumn, Winter, Spring. Two hours credit each quarter. (Not given this year.) Cummings.

141. Corneille.—Autumn. Two hours credit. (Not given this year.) Cummings.

142. Racine.—Winter. Two hours credit. (Not given this year.) Cummings.

143. Moliere.—Spring. Two hours credit. (Not given this year.) Cummings.

SPANISH

Lower Division Courses

1. **Elementary Spanish.**—Autumn. Daily, 1:30. Five hours credit. Whetten.

Designed for those who have had no Spanish. Pronunciation, easy reading, and the fundamentals of grammar.

2. **Elementary Spanish.**—Winter. Daily, 1:30. Five hours credit. Whetten.

Prerequisite, Spanish 1, or one year of Spanish in high school. Reading, vocabulary building, and grammar drill.

3. **Intermediate Spanish.**—Spring. Daily, 1:30. Five hours credit. Whetten.

Prerequisite. Spanish 2. Conversation based on reading. Grammar drill.

Upper Division Courses

54. **Advanced Spanish.**—Autumn. M. W. F., 8:30. Three hours credit.

Prerequisite, Spanish 3 or two years of Spanish in high school or fifteen hours credit in Spanish. Comprehensive study of grammar. Pronunciation drill. Conversation and composition based on reading.

55. **Advanced Spanish.**—Winter. M. W. F., 8:30. Three hours credit.

Prerequisite, Spanish 54. Reading, conversation, and composition.

56. **Advanced Spanish Reading.**—Spring. M. W. F., 8:30. Three hours credit.

Prerequisite, Spanish 55. Reading from the general field, including drama, fiction, magazine articles, newspapers, etc.

61, 62, 63. Spanish Composition and Conversation.—Autumn, Winter, Spring. M. W. F., 1:30. Three hours credit each quarter.

Prerequisite, fifteen hours of Spanish and the consent of the instructor. (Not given this year.)

81. Modern Spanish Fiction.—Winter. M. W. F. 1:30. Three hours credit.

Prerequisite, fifteen hours of Spanish and the consent of the instructor. (Not given this year.)

82. Modern Spanish Plays.—Spring. M. W. F., 1:30. Three hours credit.

Prerequisite, fifteen hours of Spanish and the consent of the instructor. (Not given this year.)

89. Problems of Teaching Spanish.—Autumn. T. Th., 1:30. Two hours credit. Cummings.

Prerequisite, thirty hours of Spanish.

LATIN

Lower Division Courses

1. Elementary Latin.—Autumn. Daily, 9:30. Five hours credit. Black.

Mastery of declensions and conjunctions. Correlation of Latin originals with English derivatives.

2. Elementary Latin.—Winter. Daily, 9:30. Five hours credit. Black.

Easy reading and grammar.

3. Intermediate Latin.—Spring. Daily, 9:30. Five hours credit. Black.

Reading and grammar.

Upper Division Courses

54. **Advanced Latin.**—Autumn. 9:30. Three hours credit. Black. (Not given this year.)

Prerequisite, Latin 3 or two years of Latin in high school. Comprehensive study of grammar. Reading and composition.

55. **Advanced Latin.**—Winter. 9:30. Three hours credit. Black. (Not given this year.)

Prerequisite, Latin 54. Reading from the classics. Composition.

56. **Advanced Latin.**—Spring. 9:30. Three hours credit. Black. (Not given this year.)

Prerequisite, Latin 55. Reading from the classics.

PHONETICS**Lower Division Course**

1. **Practical Phonetics.**—Winter. T. Th., 1:30. Two hours credit Cummings.

The elementary principles of speech mechanism in their relation to correct diction. This course correlates with courses in Speech and Vocal Music.

MUSIC

Professors Jepperson-Madsen, Madsen, Robertson; Associate Professor Sauer; Assistant Professor Hanson; Miss Summerhays, Mr. Nelson, Mr. Fitzroy, Mrs. Packard, and Mr. Buggert

Those who major in the Department of Music must complete the following courses: Theory of Music 11, 12, 13; 21, 22, 23; 31; 81; Piano 3 hours, Vocal Culture 3 hours, and Vocal or Instrumental Ensemble 6 hours. Those preparing to teach must also take Theory of Music 41 and 91. These

requirements are subject to change where conditions warrant individual consideration.

Private courses are indicated by -p. In the instrumental division, the letter immediately following the number indicates the instrument; e. g., 7p-p means course 7 private piano; 3 t-p means course 3 private trombone, etc.

THEORY OF MUSIC

Lower Division Courses

11, 12, 13. Solfeggio.—Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Madsen.

Grammar of music in the Autumn is followed by the study of intervals, diction, and sight-singing in the Winter and Spring.

21, 22, 23. Harmony.—Autumn, Winter, Spring. M. W. F. Three hours credit each quarter. Robertson.

Intervals; primary and secondary triads; dominant seventh and ninth chords, diminished seventh chords; open harmony.

31, 32, 33. Philosophy and Appreciation of Music.—Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Madsen.

The important philosophies of music and musicians; the philosophy of the elements of music, musical structure, musical compositions, musical values.

41. Public School Methods.—Autumn, Spring. M. W. F. Three hours credit. Hanson.

Special technique of instruction and material for the grades; class demonstrations and supervised teaching.

Upper Division Courses

61, 62, 63. Solfeggio.—Autumn, Winter, Spring. T. Th. Two hours credit. Madsen.

Prerequisite, Theory of Music 11, 12, and 13. Training in advanced sight singing.

71, 72. Harmony.—Autumn, Winter. M. W. F. Three hours credit each quarter. Robertson.

Prerequisite, Theory of Music 21, 22, 23. Modulation; secondary seventh and altered chords; non-harmonic tones; modern harmony.

73. Form and Analysis.—Spring. M. W. F. Three hours credit. Robertson.

Prerequisite, Theory of Music 72, or the equivalent. Study of musical form, from the section to the sonata; harmonic analysis.

81, 82, 83. History.—Autumn, Winter, and Spring. M. W. F. Three hours credit each quarter. Madsen.

Alien musical systems, ancient and modern. Origin of musical instruments. Medieval and modern music.

91. High School Methods.—Winter. T. Th. Two hours credit. Hanson.

Special technique of instruction and materials for the junior and senior high schools. This course should precede or accompany Secondary Education 54 for those who are preparing to teach music in the public schools. (See Secondary Education 64.)

95. Instrumentation.—Winter. T. Th. Two hours credit. Sauer.

A practical course for high school teachers and supervisors in arranging for band and orchestra.

Graduate Courses

121, 122, 123. Counterpoint.—Autumn, Winter, Spring. Three hours credit each quarter. Madsen.

Prerequisite, Theory of Music 71, 72, 73. Strict counterpoint in the various species.

124, 125, 126. Cannon and Fugue.—Autumn, Win-

ter, Spring. Three hours credit each quarter. Madsen.
Prerequisite, Theory of Music 121, 122.

127, 128, 129. Instrumentation.—Autumn, Winter, Spring. Three hours credit each quarter. Robertson.

Prerequisite, Theory of Music 23. Study of orchestra instruments; arranging in solo, duet, trio, and quartet form; arranging for string and symphony orchestra.

171, 172, 173. Modal Counterpoint.—Autumn, Winter, Spring. Three hours credit each quarter. Robertson.

Prerequisite, Theory of Music 23. The contrapuntal system of Palestrina, Des Pres, and Lasso.

181, 182, 183. Composition.—Autumn, Winter, and Spring. Three hours credit each quarter. Robertson, Madsen.

Prerequisite, Theory of Music 73, and at least one quarter of 121 or 171.

INSTRUMENTAL MUSIC

Lower Division Courses

1, 2, 3, 4, 5, 6. Band.—Autumn, Winter and Spring. Daily. One hour credit each quarter. Sauer.

Admission by consent of director.

7, 8, 9; 10, 11, 12. Orchestra.—Autumn, Winter, Spring. Daily. One hour credit each quarter. Robertson.

Admission by consent of director.

13, 14, 15; 16, 17, 18. String Ensemble.—Autumn, Winter, Spring. M. W. F. One hour credit each quarter. Robertson.

19, 20, 21; 22, 23, 24. Band Ensemble.—Autumn, Winter, Spring. Three times each week. One hour credit each quarter. Sauer.

1, 2, 3p-p. Piano.—Autumn, Winter, Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

Study of the scales in different rhythms and touches; Czerny, Op. 299, Book IV; Mendelssohn's "Song Without Words", etc.

4, 5 6p-p. Piano.—Autumn, Winter, and Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

Scales in double thirds, fourths, and sixths; "Cramer-Bulow Studies;" classical compositions.

7, 8 9p-p. Piano Ensemble.—Autumn, Winter, Spring. One hour credit each quarter. Nelson.

The fundamentals of ensemble playing. Four, six, and eight hand arrangements.

10p-p. Piano Pedagogy.—Any Quarter. One hour credit. Nelson, Hanson, and Fitzroy.

Methods and problems of piano teaching in the elementary grades.

1, 2, 3vp. Violin.—Autumn, Winter and Spring. One hour credit each quarter. Robertson.

Hohman, book I and II; Sevcik Elementary studies; Sitt, Op. 32, book I; Wohlfahrt. One hour credit each quarter.

4, 5, 6vp. Violin.—Autumn, Winter, Spring. One hour credit each quarter. Robertson.

Hohman, book III and IV; Sitt Op. 36; Schradiek; Dont Op 37; Solos in various positions.

1, 2, 3c-p. Cornet.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

Rudiments of music; mouth and lip positions; tone production; correct breathing and fingering.

4, 5, 6c-p. Cornet.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

Intervals, slurs, syncopation; the triplet; the double dot; marks of abbreviation and expression.

1, 2, 3b-p. Baritone.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13b-p. Bassoon.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

21, 22, 23b-p. Bass (Tuba).—Autumn, Winter, and Spring. One hour credit each quarter. Sauer.

11, 12, 13; 14, 15, 16c-p. Clarinet.—Autumn, Winter, Spring. One hour credit each quarter. Sauer, Madsen.

1, 2, 3d-p. Drums and Timpani.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3f-p. Flute.—Autumn, Winter, Spring. One hour credit each quarter. Nelson.

11, 12, 13f-p. French Horn.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3o-p. Oboe.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13o-p. Organ.—Autumn, Winter, Spring. One hour credit each quarter.

1, 2, 3, 4, 5, 6s-p. Saxophone.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13s-p. String Bass.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3, 4, 5, 6t-p. Trombone.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13v-p. Viola.—Autumn, Winter, Spring. One hour credit each quarter. Robertson.

21, 22, 23, 24, 25, 26v-p. Violoncello.—Autumn, Winter, Spring. One hour credit each quarter. Buggert.

Upper Division Courses

51, 52, 53, 54, 55, 56. **Concert Band.**—Autumn, Winter, Spring. Daily. One hour credit each quarter. Sauer.

Admission by consent of the director. Standard overtures, operatic selections, and miscellaneous military band music.

57, 58, 59, 60, 61, 62. **Symphony Orchestra.**—Autumn, Winter, Spring. Daily. One hour credit each quarter. Robertson.

Admission by consent of director. Study of selections, overtures, symphonies, and accompaniments.

51, 52, 53p-p. **Piano.**—Autumn, Winter, Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

Czerny "School of Virtuoso;" Bach, "Three Part Inventions," and Sonatas.

53, 54, 55p-p. **Piano.**—Autumn, Winter and Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

Bach, "Well Tempered Clavichord;" Beethoven, Sonatas; a concerto and a public recital.

63, 64, 65; 66, 67, 68. **String Ensemble.**—Autumn Winter, Spring. Three times each week. One hour credit each quarter. Robertson.

69, 70, 71; 72, 73, 74. **Band Ensemble.**—Autumn, winter, Spring. M. W. F. One hour credit each quarter. Sauer.

51, 52, 53v-p. **Violin.**—Autumn, Winter, Spring. One hour credit each quarter. Robertson.

Fiorillo; Dancla, Op. 73; Kreutzer; de Beriot, "The Art of Bowing," Tarini; scales, apreggios, technique of the bow, double stops, Sevcik; advanced solos.

54, 55, 56v-p. Violin.—Autumn, Winter, Spring. One hour credit each quarter. Robertson.

Fiorillo; Dancla, Op. 73; Dont, Op. 35; Rhode Beach; concerto; one public recital.

51, 52, 53-c-p. Cornet.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

Technique; muscular control, artificial fingerings; sight reading; the turn, shake trill, grace note; and difficult exercises.

54, 55, 56c-p. Cornet.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

The art of phrasing and expression; velocity; trumpet calls; transposition; difficult exercises and the interpretation of standard solos and cadenzas.

61, 62, 63; 64, 65, 66c-p. Clarinet.—Autumn, Winter, Spring. One hour credit each quarter. Sauer, Madsen.

61, 62, 63; 64, 65, 66o-p. Organ.—Autumn. Winter, Spring.

63p-p. Piano Pedagogy.—Spring. One hour credit. Nelson.

Prerequisite, 10p-p. Methods and problems of piano teaching in the higher grades.

51, 52, 53t-p. Trombone.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

71, 72, 73, 74, 75, 76v-p. Violincello.—Autumn, Winter, Spring. One hour credit each quarter. Bugert.

VOCAL MUSIC

Lower Division Courses

1, 2, 3; 4, 5, 6-p. Vocal Culture.—Private or in groups. Autumn, Winter, Spring. One hour credit each quarter. Madsen, Summerhays, Packard.

13, 14, 15; 16, 17, 18. **Ladies Glee Club.**—Autumn, Winter, Spring. One hour credit each quarter. Summerhays.

Open to inexperienced singers. This course also provides participation in mixed chorus.

13, 14, 15; 16, 17, 18. **Male Glee Club.**—Autumn, Winter, Spring. One hour credit each quarter. Madsen.

Open to inexperienced singers. This course also provides participation in Mixed chorus.

42. **Phonetics.**—Winter. Two hours credit.

(See Phonetics 1 in Department of Modern and Classical Languages.)

Upper Division Courses

51, 52, 53; 54, 55, 56-p. **Vocal Culture.**—Autumn, Winter, Spring. One hour credit each quarter. Madsen, Summerhays, Packard.

63, 64, 65; 66, 67, 68. **Ladies Glee Club.**—Autumn, Winter, Spring. One hour credit each quarter. Summerhays.

Admission by consent of director. Participation in Mixed Chorus work is also provided in this course.

63, 64, 65; 66, 67, 68. **Male Glee Club.**—Autumn, Winter, Spring. One hour credit each quarter. Madsen.

Admission by consent of director. Participation in Mixed Chorus work is also provided in this course.

OFFICE PRACTICE

Professor Holt; Mrs. Roberts, Mrs. Lloyd, Miss Thomas

Lower Division Courses

11. **Shorthand.**—Autumn. Daily, 8:30; 9:30. Four hours credit. Roberts and Thomas.

Principles of shorthand writing according to the Gregg system.

12. Shorthand.—Winter. Daily 8:30; 9:30. Four hours credit. Roberts and Thomas.

Continuation of course 11.

13. Shorthand.—Spring. Daily, 8:30; 9:30. Four hours credit. Roberts and Thomas.

Continuation of course 12.

14. Advanced Shorthand.—Autumn. M. W. F., 10:30. Three hours credit. Roberts and Thomas.

Dictation work. Special attention will be given to reporting forms, and to the development of skillful writers.

15. Advanced Shorthand.—Winter. M. W. F., 10:30. Three hours credit. Roberts and Thomas.

16. Advanced Shorthand.—Spring. M. W. F., 10:30. Three hours credit. Roberts and Thomas.

Advanced dictation, correlated with secretarial work.

21. Typewriting.—Autumn, Winter or Spring. Six hours a week. Two hours credit. See instructors for time. Lloyd and Thomas.

Touch typewriting, according to standard methods.

22. Typewriting.—Autumn, Winter, or Spring. Two hours credit.

Continuation of course 21.

23. Typewriting.—Autumn, Winter, or Spring. Two hours credit.

Continuation of course 22.

24. Typewriting.—Autumn, Winter, or Spring. Daily. Two hours credit. (Elect one quarter only.) Lloyd and Thomas.

31. Business English.—Autumn, Winter, or

Spring. M. W. F., 9:30. Three hours credit. Holt, Roberts.

The substance and style of business English; clearness in sentences; correctness of diction; force in sentence structure, and diction. Business forms and usages.

PHILOSOPHY OF EDUCATION

Professors Woodward, Merrill, Swenson, Nelson.

This department is designed to prepare the student in the fundamentals of professional education with emphasis upon aims, objectives, the fundamental principles involved in the various levels and the relation the school bears to society.

Thirty hours are required for a major. The following sequence of courses is recommended:

1. In freshman and sophomore years regular group requirements should be taken with Philosophy of Education 33.
2. In the junior year Philosophy of Education 74, 81, 84 and Psychology 74, or Philosophy of Education 72 or 92.
3. In the senior year Philosophy of Education 85, 86, 87, 88, 90 and 89 or 99.
4. With the approval of the major professor certain courses from other departments in the College of Education may be substituted for certain courses in the above list.

Lower Division Courses

33. Theory and Method of Self Development.—Winter and Spring, M. W. F., 9:30. Two hours credit. Woodward.

The course is designed for Sophomores and especially second-year Normals. It aims to help the student understand the theory and method involved in building his or her own "Temple of Character". It is

a course in self-improvement. The discussion will cover the philosophic background of character building, a careful analysis of the capacities and powers and vital energies with which the student has to work and the method of employing these in the process of self-development. (Not given this year.)

Upper Division Courses

72. Community Organization and Leadership.—(See Sociology 51.) Swenson.

74. Rural Sociology.—(See Sociology 53.) Nelson.

81. Science of Education.—Autumn, Winter, Spring. M. W. F., 8:30. Four hours credit. Woodward.

It is recommended that this course be preceded by a course in Educational Psychology. A consideration of the fundamental problems of educational theory and practice; the aims, standards and contents of education. A study of the principles of determining educational values. A summary of the psychological investigations that have been made relevant to the principal school subjects. An introduction to the scientific methods of measuring the results of teaching. This course must precede or be taken in connection with Secondary Training. It should be taken during the junior year.

84. Educational Sociology.—(See Sociology 61.) Swenson.

85. Philosophy of Nature.—Spring. M. W. F., 9:30. Three hours credit. Woodward.

The course deals with a brief survey of the evolution of philosophical thought; the place of philosophy in the solution of problems of modern civilization; with the problem of reality as set forth in various forms of materialism, dualism, and idealism; with the problems

of singularism and pluralism. Considerable time is spent upon the problems of self and the status of values.

86. History of Education.—Winter. M. W. F., 10:30. Three hours credit. Woodward. (Not given this year.)

A discussion of the educational theories and practices of the Greek, Roman, and Mediaeval periods of history. Emphasis will be placed upon the following topics: The rise and growth of Christian education, the rise of universities, the renaissance, the development of science and the scientific methods, and the more recent and contemporary development of educational theory and practice. Knowledge of European history presupposed.

87. Philosophic Ethics.—Winter. M. W. F., 9:30. Three hours credit. Woodward.

This course will consist of a brief treatment of the evolution of ethical thought, the principal philosophic problems underlying ethical theory will be discussed. These are: Materialism versus purposive evolution, the nature of good and evil, the problem of the self, a status of values, are we masters of our fates, Immortality, Democracy and the Moral Order. This course is also listed in the department of Sociology, and is designed to meet state requirements in ethics or sociology. (See Sociology 87.)

88. Social Ethics.—Spring. T. Th., 10:30. Two hours credit. Woodward.

This course deals with ethical theory as applied to our industrial and social problems, the present conflict in moral and ethical ideals, the meaning of democracy, the ethics of modern business, the breakdown of Puritan ethics, Individualism, Christian ethics, the problems of capital and labor, international good will and world peace. This course is also listed in the department of Sociology, and is designed to meet state requirements in ethics or sociology. (See Sociology 88.)

89. Character Education.—This course considers education as training for social efficiency, and the school as one of several agencies for such training. It discusses the moral significance of the various studies and activities of the school, direct and indirect moral instruction and moral training. Winter. T. Th., 8:30. Two hours credit. Woodward. (Not given this year.)

90. Education and Twentieth Century Civilization.—Autumn. M. W. F., 9:30. Three hours credit Woodward.

This course deals with the outstanding present-day political, economic, social and educational conditions in fourteen of the most important countries of the Orient and Occident. The aim of the course is to present a vivid picture of the life, aspirations, and problems of the peoples of Japan, China, Philippine Islands, Java, Siam, India, Egypt, Greece, Italy, Austria Germany, Russia, France, and England.

92. Vocational Education.—This course will deal with the aims and needs of vocational education; how this type of educational activity answers the demand of society; the place it should fill in the schools today; the types of vocational training that should be fostered under western conditions; the principles governing the determination of the curriculum; the aid extended by state and federal governments. Autumn. Four hours credit. Merrill.

99. Philosophy Seminar.—Winter and Spring. Woodward.

This course is intended for advanced students only. It deals with such problems as Reality, The Self, Immortality, etc. Registration is possible only by consent of the instructor. Class meets once each week. Time is to be arranged. Two hours credit.

Graduate Courses

137. Philosophy of Education.—(Time to be arranged.) Three hours credit. Woodward.

Lectures, readings, and discussions. Education will be studied as a social agency in relation especially to other factors at work in a democratic society. The general topic will be a consideration of the aims and methods appropriate to a system of education in a democratic society such as ours. There will be considered in this course such fundamental problems as the relation of the individual and society, subject and object, knowledge and action, the physical and moral.

185. Philosophy as Applied to Education.—Spring. M. W. F., 9:30. Three hours credit. Woodward.

This course parallels Philosophy of Education 85.

186. History of Education.—Winter. 10:30. M. W. F. Three hours credit. Woodward. (Not given 1930-31.)

This course parallels Philosophy of Education 86.

187. Philosophic Ethics.—Winter. M. W. F., 9:30. Three hours credit. Woodward.

This course parallels Philosophy of Education 87.

188. Social Ethics.—Spring. T. Th., 10:30. Two hours credit. Woodward.

This course parallels Philosophy of Education 88.

189. Character Education.—Two hours credit. Given to graduate students by special arrangement.

190. Comparative Education.—Autumn. M. W. F., 9:30. Three hours credit. Woodward.

This course parallels Philosophy of Education 90. It is a study of contemporary educational systems of the leading nations of the world.

191. Research Work in Philosophy of Education.—Autumn, Winter, or Spring. Woodward.

Students may be given from two to four hours credit on presentation of a satisfactory thesis on an assigned topic, embodying the results of independent work. The consent of the instructor is necessary before registering.

192. Vocational Education.—Four hours credit. Merrill. Time to be arranged.

195. Graduate Seminar in Education.—Autumn, Winter and Spring. Members of the Educational staff in charge.

199. Philosophy Seminar.—Winter and Spring. Two hours credit. Woodward.

Registration possible only by consent of instructor. The course parallels Philosophy of Education 99.

200. Thesis Work.—Time to be arranged. From four to eight hours credit, depending upon the problems.

The work of this course is largely individual research. The material and the problems studied will be in connection with master's thesis. Ability to think independently and organize is a prerequisite.

PHYSICAL EDUCATION

Professor Romney, Dr. Cullimore, Dr. Oaks, Dr. Merrill,
Assistant Professors Hart, Jeppson; Mr. Dixon,
Mrs. Meiling, Mr. Thorne, Miss Coleman,
Mr. Cote

The purpose of the department is primarily to conserve the health and vitality of the students, to establish correct motor habits and to educate for wholesome and efficient living. To offset the undesirable effects of sedentary school life, vigorous exercises in the form of games, gymnastics and competitive athletics are offered. Instruction is given in personal hygiene in connection with the exercise period so that the

students may have a theoretical basis as a guide to correct living.

A thorough physical and medical examination will be given each new student upon entering the institution. All freshmen are required to take Physical Education 11, 12, and 13. Upper-classmen are urged to engage in some form of physical exercise. Abundant opportunity is offered for participation in games, sports, hikes, gymnastics, athletics, and dancing.

The third term requirement for all those preparing to teach in the elementary grades may be selected from any of the following courses: Physical Education 11, 12, 13, 26, 27, 28, 31, 32, and 33.

All students whether enrolled in regular classes in physical education or on regular athletic squads are invited and urged to use the physical training and athletic facilities of the institution whenever they are available.

Students interested in intercollegiate athletic competition in any form will be given opportunity to try out for the athletic teams representing the University and in case they display sufficient ability to be chosen as members of these teams, they may substitute this work for the required courses in Physical Education.

The department also offers professional courses which are designed to prepare teachers in physical education, directors of athletics, supervisors of dancing and leaders in play and other forms of social and recreational activities.

Lower Division Courses

11. Elementary Physical Education.—Autumn. Three periods each week. One hour credit. Women's sections at 9:30, 10:30, 2:30. Men's sections 10:30, 3:30 and 4:30. Dixon, Jeppson and Meiling.

This course is designed for and required of Fresh-

man students. It will include games, athletics, gymnastics, dancing, personal hygiene talks, health interviews, hikes, recreational activities, etc.

12. Elementary Physical Education.—Winter. Three periods each week. One hour credit. Continuation of Physical Educational Education 11.

13. Elementary Physical Education.—Spring. Three periods each week. One hour credit. Continuation of Physical Education 12.

14. Advanced Physical Education.—Autumn. Two periods a week at 2:30. One hour credit. For men and women. Jeppson.

Prerequisite, Physical Education 11, 12, 13. This course will embrace instruction in more advanced types of physical educational activities including gymnastics, apparatus exercises, tumbling, pyramids and stunts. Required of students majoring in Physical Education.

15. Advanced Physical Education.—Winter. Two periods each week. One hour credit. Continuation of Physical Education 14. Required of major students.

16. Advanced Physical Education.—Spring. Two periods each week. One hour credit. Continuation of Physical Education 15. Required of major students.

18. Wrestling.—Winter. Three periods each week. One hour credit. Cote.

This course will consist of the theory and practice of wrestling. Prerequisite, Physical Education 11, 12 and 13.

19. Tennis.—Spring. Three periods each week. One hour credit. Dixon.

This course will consist of the theory and practice of tennis. Open to men. Prerequisite, Physical Education 11, 12 and 13.

21. Physical Education for Grade Teachers.—

Autumn. Two periods each week at 3:30. One hour credit. Required of all those preparing to teach in the elementary grades. Jeppson.

This course is designed to prepare students taking normal training courses for the teaching of Danish and natural gymnastics, games, folk dancing, and rhythmic expressions in the grade schools. Some emphasis will be placed on motor ability tests applied.

22. Physical Education for Grade Teachers.—Winter. Two periods each week at 3:30. One hour credit. Required of all those preparing to teach in the elementary grades. Jeppson.

Continuation of Course 21.

26. Clog, National, and Folk Dancing.—Winter. Two periods each week at 9:30. One hour credit. Required of women majoring or minoring in Physical Education. Jeppson.

This course will offer instruction in elementary clog, various types of folk and national dancing.

27. Clog and National Dancing.—Winter. Two periods each week at 9:30. One hour credit. Required of women majoring or minoring in physical education. Jeppson.

Emphasis on creative work. A continuation of course 26.

28. Clog and National Dancing.—Spring. Two periods each week at 9:30. One hour credit. Required of women majoring or minoring in physical education. Jeppson.

Emphasis on creative work. A continuation of course 27.

31. Elementary Natural Dancing.—Autumn. Two periods each week at 2:30. One hour credit. Coleman. Required of women majoring or minoring in physical education.

This course will offer instruction in the fundamentals of grace and rhythm.

32. Elementary Natural Dancing.—Winter. Two periods each week at 2:30. One hour credit. Coleman. Required of women majoring or minoring in physical education.

Continuation of course 31.

33. Elementary Natural Dancing.—Winter. Two periods each week at 2:30. One hour credit. Coleman. Required of women majoring or minoring in physical education.

Continuation of course 32.

Upper Division Courses

51. Athletic Coaching and Directing.—Foot Ball.—Autumn. Four periods each week. 2:30. Three hours credit. Romney and Thorne.

This course is designed to prepare students for the coaching of foot ball. It will deal with the fundamentals of the game, methods of working out plays, systems of offense and defense, the conditioning of teams, etc. Required of all men majoring or minoring in Physical Education.

52. Athletic Coaching and Directing.—Basketball.—Winter. Four periods each week. 2:30. Three hours credit. Romney and Dixon.

This course is designed to prepare for the coaching of basketball. Students will be thoroughly instructed in fundamentals, offensive and defensive systems, schedule making, and other details which contribute to the coaching successfully of basketball. Required of all men majoring or minoring in Physical Education.

53. Athletic Coaching and Directing.—Track, and Field.—Spring. Four periods a week. 2:30. Three hours credit. Romney and Thorne.

This course will deal with the technique of training for the various events in track and field athletics. Methods of conducting field meets and tournaments will be taught and the students given experience in assisting and coaching. Required of all men majoring or minoring in Physical Education.

54. Sports for Women.—Autumn. M. W. F., 4:30. Two hours credit. Meiling.

A coaching course in the major and minor sports including field hockey, soccer, and archery. Required of women majoring or minoring in physical education.

55. Sports for Women.—Winter. M. W. F., 4:30. Two hours credit. Meiling.

A continuation of course 54. Coaching in volley ball, basket ball, and speedball. Required of women majoring or minoring in physical education.

56. Sports for Women.—Spring. M. W. F., 4:30. Two hours credit. Jeppson, Meiling.

A continuation of course 55. Coaching and officiating in track, baseball, and tennis. Archery. Required of women majoring or minoring in physical education.

61. Advanced Natural Dancing.—Autumn. Two periods each week at 8:30. One hour credit. Coleman.

This course will offer instruction in dance technique and various natural dance forms, music impressions, and some creative work.

62. Advanced Natural Dancing.—Winter. Two periods each week at 8:30. One hour credit. Coleman.

Continuation of Physical Education 61. Required of all those majoring or minoring in physical education.

63. Material Summary.—Spring. Two periods each week at 8:30. Two hours credit. Jeppson, Coleman.

Required of all those majoring in physical education. A continuation of Physical Education 62. This course will include the fundamentals of movement,

contribution of music to the dance, dance composition, themes, the problem of the public performance, and the larger aspects of the dance as an educational activity. Problems of staging, lighting, and costume designing.

71. Theory of Organized Play.—Autumn. Three periods each week at 8:30. Three hours credit. Jeppson and Dixon.

The theory of organized play including community centers, special activities, home recreation; play in institutions, social recreation such as planning recreation programs; play facilities such as layout of athletic fields, construction of buildings, swimming and wading pools, equipping the grounds and centers. Also a discussion of the theories of individual and community life. Required of all those majoring in physical education.

72. Organization and Administration of Play and Recreation.—Winter. Two hours daily. Three hours credit. Jeppson and Dixon.

A continuation of 71. A complete picture of the responsibilities of a superintendent of recreation and a discussion of the executive and administrative problems arising out of the conduct of a community-wide recreation program. Emphasis on park recreation problems, city government problems, problems of recreation finance, publicity problems, field and personnel problems, school recreation problems and surveys. Required of all those majoring in physical education.

73. Play and Game Supervision.—Spring. Three periods each week at 8:30. Three hours credit. Jeppson and Dixon.

A continuation of 72. Required of all those majoring or minoring in physical education.

74, 75, 76. Recreational Leadership.—For description of course see Religious Education, 74, 75, 76.)

77, 78, 79. Scoutcraft.—(For description of course see Religious Education, 77, 78, 79.)

81. Tap Dancing.—Autumn. Two periods each week at 10:30. One hour credit. Required of all women majoring in physical education. Jeppson.

This course will include a study of the various phases of tapping. Fundamental steps, routines in order of difficulty—buck, jig, waltz, soft shoe, etc. Emphasis on rhythmical studies.

82. Tap Dancing.—Winter. Two periods each week at 10:30. One hour credit. Required of all women majoring in physical education. Jeppson.

A continuation of Physical Education 81. Emphasis on creative work.

83. Material Summary—In Tap, National and Folk Dancing.—Autumn. Two periods each week at 10:30. Two hours credit. Jeppson. Required of all those majoring or minoring in physical education.

A continuation of Physical Education 81 and 82. This course will include the fundamentals of movement, dance composition, themes, and moods. The problem of the public performance. Methods of teaching, etc.

91. Applied Anatomy and Kinesiology.—Autumn. Three periods each week. 10:30. Three hours credit. Dixon.

Prerequisites: Physical Education 11, 12, 13, 14, 15, 16 and a good college course in psychology. This course will take up the anatomy of the human body with emphasis upon the study of bones, joints, and the skeletal muscles. Careful examination of gymnastics and athletic exercises will be made with reference to their effect upon the function and structure of the body. A study of the physiology of exercises will also be made. Required of all students majoring or minoring in Physical Education.

92. Methods of Teaching Physical Education.—

(See Secondary Teaching 66.) Winter. Four periods each week. 10:30. Four hours credit. _____.

Prerequisite, Physical Education 91. This course will deal with a study of the various systems of physical education, methods of gymnastic teaching, content of exercise periods, arrangement of exercises, methods of commanding and directing, etc. This course will be helpful to all teachers in elementary and high school. Required of all students majoring or minoring in Physical Education.

93 or 193. Physical Education Administration.—Spring. Four periods each week. 10:30. Four hours credit. Dixon and Thorne.

This course will deal with the organization and administration of departments of physical education and athletics in high school and college and the proper balancing of various activities associated with these departments. The course is designed for Physical Directors, School Principals, Recreational Directors, etc. Required of all students majoring in Physical Education. Open to all graduates.

95 or 195. Physical Diagnosis and First Aid.—Winter. Three periods each week. Two hours credit.

This course will deal with physical examinations, measurements, tests and records, with methods of administering first aid and with the essentials in conditioning athletes. Prerequisites, Zoology 65 and Physical Education 91. Required of all students majoring or minoring in Physical Education.

PHYSICS

Professors Eyring, Marshall; Associate Professor
Hales; Mr. Peterson

Students who expect to study medicine, engineering, chemistry, or who are planning to major in the department of physics should begin their study of physics by electing courses 41, 42, and 43.

Non-science students may elect with profit courses 11, 16, 21, which may be taken without prerequisite and which are organized with the view of giving the student an appreciation for his physical environment.

Students majoring in physics have the following courses prescribed: Physics 41, 42, 43, 87, and some sequence such as Physics 58, 59, 60, 75, 76, 77, 88, 89, or Physics 65, 66, 67, 68, 69, 70, 86. Courses 88, 89, and 99 are especially recommended for students who plan to be high school teachers.

Lower Division Courses

11. A Survey Course in Physics.—Winter. Lecture, M. W. F., 10:30. Laboratory M. or W. 3:30 to 5:30. Four hours credit. Eyring.

A careful study of selected topics in elementary physics in which the development of the principles and their application to human welfare will be stressed. This is an orientation course designed for the non-science student who wishes to obtain some information in this field.

16. Descriptive Astronomy.—Spring. M. T. W. Th., 10:30. Four hours credit. Hales.

This course deals with the physics of heavenly bodies. It is designed for those wishing a general knowledge of the facts, theories, and methods of astronomy. Frequent use will be made of the University Observatory on University Hill.

21. Meteorology.—Autumn. M. T. W. Th., 10:30. Four hours credit. Hales.

This course deals with the physics of the earth's atmosphere. It includes a study of the causes which produce variations in the pressure, temperature, and humidity of the air and their influence upon weather and climate. This course should be particularly valuable to one interested in aeronautics, weather bureau work, or teaching.

41. General Physics—Mechanics and Sound.—Autumn. Lecture, M. W. F., 1:30. Laboratory 1:30-3:30, T. and Th. Five hours credit. Hales.

This course and courses 42 and 43 constitute a general college course in physics. The completion of this general course will satisfy the requirements in physics for engineering and medical students, and it is a prerequisite for all the more specialized courses in physics. Freshman or Sophomore year.

42. Electricity.—Winter. Lecture, M. W. F., 1:30. Laboratory, 1:30 to 3:30. T. and Th. Five hours credit. Hales.

Continuation of 41.

43. Heat and Light.—Spring. Lecture, M. W. F. 1:30. Laboratory, 1:30 to 3:30. Five hours credit. Continuation of 42.

Upper Division Courses

58. Kinetic Theory.—Autumn. Three hours credit. Hales.

This course includes a historical development of the subject, kinetic interpretation of temperature and pressure, Brownian movements; osmotic pressure, specific heats, etc. (Not given this year.)

59. Thermodynamics.—Winter. Three hours credit. Hales.

A study of the two laws of thermodynamics and their applications to numerous physical and chemical phenomena. (Not given this year.)

60. Electron Theory.—Spring. Three hours credit. Hales.

A study of measuring its properties and physical magnitude and the applications in thermo-electric, photo-electric, and Xray phenomena. (Not given this year.)

65. Electricity and Magnetism.—Autumn. M. W., 3:30. Two hours credit. Marshall.

General principles of magnetism, and electro-magnetism. Static electricity, direct and alternating currents. J. J. Thompson's "Electricity and Magnetism" will be used for reference. Prerequisites, calculus and Physics 41, 42, 43. (Not given this year.)

66. Electricity and Magnetism.—Winter. Two hours credit. Marshall.

Continuation of 65. (Not given this year.)

67. Experimental Physics, Electricity and Magnetism.—Autumn. Two hours credit. Marshall.

Use of potentiometers, adjustment and use of sensitive galvanometers, calibration of ammeters and voltmeters, accurate measurements of resistance, measurements of earth's magnetic field, etc. This course should be taken in connection with course 65. Prerequisites, Physics 41, 42, 43. (Not given this year.)

68. Experimental Physics.—Winter. Th. and F., 3:30-6:30. Two hours credit. Marshall.

Electricity and Magnetism. Continuation of 67. (Not given this year.)

69. Radio Instruments and Measurements.—Spring. T. Th., 8:30. Two hours credit. Marshall.

A study of the properties of oscillatory circuits, and the thermionic vacuum tube as a detector, amplifier, and oscillation generator. Prerequisites, Physics 66 and 68. (Not given this year.)

70. Experimental Physics, Radio Instruments and Measurements.—Spring. Two hours credit. Marshall.

Laboratory work designed to accompany Physics 69. Two two-hour laboratory periods per week. Time to be arranged. (Not given this year.)

75. Experimental Optics.—Winter. Lecture M. W., at 9:30. Laboratory, M. F. from 3:30 to 6:30. Four hours credit. Marshall.

During the first part of the course experiments outlined in Taylor's Manual of Optics will be performed, and during the last special work in the echelon and concave grating will be given.

76. Wave Motion.—Autumn. M. W. F., 9:30. Three hours credit. Eyring.

Development of the equation of wave motion from the study of wave phenomena in rods, strings, liquids, etc., and a study of its solution.

77. Sound.—Spring. M. W. F., 9:30. Three hours credit. Eyring.

Advanced course in sound. Such topics as vibrating systems, resonators and acoustic filters, sound transmission and radiation, and acoustics of auditoriums will be discussed.

86. Analytical Mechanics.—Spring. M. T. Th. F., 1:30. Five hours credit. Marshall.

Fundamental equations of mechanics and their application to physical problems. Prerequisites, Calculus and Physics 41, 42, 43.

87. Laboratory Arts.—Autumn, Winter or Spring T. Th., 3:30-6:30. Two hours credit. Marshall and Hales.

Glass blowing, frilling, grinding and polishing; hard and soft soldering; silvering glass; and other miscellaneous processes connected with the construction and use of apparatus in physical laboratory.

88. Development of Physics.—Autumn. T. Th., 10:30. Two hours credit. Eyring. (Not given this year.)

89. Development of Physics.—Autumn. T. Th., 10:30. Two hours credit. Eyring.
Continuation of 88. (Not given this year.)

92. Readings in Modern Physics.—Credit 1 to 3

hours depending on the work done. Eyring, Marshall, or Hales.

A reading course designed to acquaint the student with new material which may not have been included in the regular courses.

99. Teaching of Physics.—(See Secondary Teaching 65.) Autumn. M. W., 3:30. Two hours credit. Peterson.

Graduate Courses

101. Introduction to Modern Physics.—Autumn. M. W. F. Three hours credit. Eyring or Marshall.

Brief historical survey of Physics, aiming to introduce some of the important modern theories of physics. Also consideration of the Electromagnetic Theory of Light and Photo Electric Effect. (Not given this year.)

102. Introduction to Modern Physics.—Winter. M. W. F. Three hours credit. Eyring or Marshall.

Continuation of 101. Study of origin of quantum theory and some of its modern applications. (Not given this year.)

103. Introduction to Modern Physics.—Spring. M. W. F., Three hours credit. Eyring or Marshall.

Continuation of 102. Brief study of X-Ray, Radioactivity, atomic structure. (Not given this year.)

105. Introduction to Theoretical Physics.—Autumn. 2:30. Three hours credit. Hales.

An introductory study of the mathematical basis and development of the fundamental laws and theories of physics.

106. Introduction to Theoretical Physics.—Winter. 2:30. Three hours credit. Hales.

Continuation of Physics 105.

107. Introduction to Theoretical Physics.—Spring. 2:30. Three hours credit. Hales.
Continuation of Physics 106.

110. Research.—Credit in proportion to the work done and the problem solved. Eyring, Marshall and Hales.

192. Readings in Modern Physics.—Credit, one to three hours, depending upon amount of work done. Eyring, Marshall and Hales.

POLITICAL SCIENCE

Professor Jensen; Mr. Ballif.

Requirements for a Major in Political Science: Students must present a minimum of fifteen hours of upper division credit in Political Science. The upper division courses selected must be approved by the major professor at the time of registration.

Lower Division Courses

10. National Government of the United States.—Autumn. M. W. F., 10:30. Three hours credit. Jensen.

An examination of the historical development of the American Government; origin and growth of the Constitution; constitutional rights of the citizens; a detailed study of the executive, legislative, and judicial departments of the national government. This course should be elected in the freshman year by all who intend to major in Political Science, to be followed in the Winter quarter by Political Science 11.

11. State and Local Government in the United States.—Winter. M. W. F., 10:30. Three hours credit. Jensen.

The nature of federal government; the evolution

of states from territories; place of the states in the nation; a study of the executive, legislative, and judicial branches of state government.

12. Political Parties and Party Government.—Spring. M. W. F., 10:30. Three hours credit. Jensen.

A study of the organization and methods of action of political parties in the United States; the development of the party system; convention and direct primary systems; the party system in leading European countries.

21. Problems of Citizenship.—Spring. T. Th., 8:30. Two hours credit. Jensen.

A study of fundamental political, social, economic, and international problems which make for intelligent citizenship.

43. Commercial Law.—Autumn. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Finance and Banking 21.)

Fundamental notions concerning legal principles and institutions; the law governing the formation, operation and effect, and performance of contracts; the law governing the acquisition and transfer of title to real and personal property, and rights based thereon. Leading cases decided by the courts will be examined.

44. Commercial Law.—Winter. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Finance and Banking 22.)

A study of law governing Negotiable Instruments, emphasizing the essential characteristics of this class of contracts and its commercial importance, together with rights and liabilities of parties thereto; also a study of the law governing sales of personal property as distinguished from gifts, barter, and bailments. Reference will be made to the leading cases decided by the courts.

45. Commercial Law.—Spring. M. T. W. Th.,

8:30. Four hours credit. Ballif. (See Finance and Banking 23.)

A study of the law governing relationships arising out of business associations; Agency, Partnerships and Corporations will be studied by an examination of the leading cases decided by the courts.

Upper Division Courses

50. **Principles of Political Science.**—Spring, 9:30. Three hours credit. Jensen. (Not given this year.)

This course aims to present a systematic study of the principles of political science. It deals with the scope and methods of political theory; the origin, basis and nature of the state; sovereignty; the structure and province of government; citizenship and nationality. This course should be taken by all who major in Political Science.

51. **European Political Philosophy.**—Winter, 8:30. Two hours credit. Jensen. (Not given this year.)

A survey of political thought from the time of the ancients to the present with emphasis given to modern and contemporary political theory.

53. **History of American Political Thought.**—Spring. 8:30. Two hours credit. Jensen (Not given this year.)

A study and interpretation of American political ideas from the colonial period to the present with an examination of their influence in the development of American history and government.

63. **Municipal Government.**—Spring. M. W. F. 9:30. Three hours credit. Jensen.

A study of municipal growth and development in the United States and in some of the principal European countries. Attention is given to municipal structure, organization, and administration. Among the subjects treated in their relation to municipal government are: the history of municipal growth, public im-

provements, finances, home rule, legal status, politics, and municipal ownership.

73. Comparative Constitutional Government.—Autumn, 9:30. Three hours credit. Jensen. (Not given this year.)

A study of the organization and operation of the governments of England, France, Italy, Germany, Switzerland, and Russia. Attention is also given to some of the new European governments.

80. International Law.—Winter, 9:30. Three hours credit. Jensen.

A study of the sources, principles, and sanctions of international law; the law of peace, war, and neutrality. Attention is given to the problems growing out of the World War, and to the resulting modifications of international law.

82. History of American Foreign Policy.—Autumn. M. W. F., 9:30. Three hours credit. Jensen.

This course traces the history of American foreign relations from the colonial period to the present. Attention is given to the principal issues of diplomatic controversy and settlement.

83. International Relations.—Winter. M. W. F., 9:30. Three hours credit. Jensen. (Not given this year.)

Problems of nationalism and internationalism, Latin-American relations, evolution of the Monroe Doctrine, problems of imperialism, settlement of international disputes, the Hague tribunal, the League of Nations, Permanent Court of International Justice, etc.

85. International Organization and Government.—Winter. T. Th., 8:30. Two hours credit. Jensen.

The rise and development of international government; diplomatic intercourse of states; international executive, administrative, legislative and judicial func-

tions; agencies of international intercourse and cooperation.

90. The Constitution of the United States.—Autumn. T. Th., 8:30. Two hours credit. Jensen.

This course deals with the history and development of the Constitution of the United States. A study is made of its fundamental provisions, their interpretation, and their application in the functioning of the American system of government.

Graduate Courses

150. Principles and Problems of Political Science.

151. European Political Philosophy.

153. American Political Theories.

156. Public Opinion.—(Not given this year.)

163. Municipal Problems.

174. English Government and Politics.

175. The British Commonwealth of Nations.—
(Not given this year.)

176. The Government and Administration of Germany.

180. International Law as Administered by the Courts.

181. The Conduct of American Foreign Relations.

182. History and Problems of American Foreign Policy.

183. International Relations and World Politics.

190. Constitutional Law of the United States.

193. Public Administration.—(Not given this year.)

200. Research for Master's Thesis.

PSYCHOLOGY

Professor Poulson; Assistant Professor Dusenberry.

Suggestions as to Courses.—Psychology 11 is the standard foundation course which is usually made a prerequisite to all other courses in university departments of psychology. The courses especially recommended to follow it are:

General Cultural Interests:—Psychology 65, 70, 71, 72, 79, 101, 102, and 105.

Business Interests:—Psychology 64, 65, 70, 75.

Educational Interests:—Psychology 65, 70, 71, 72, 74, 75, 79, and 200. For fulfilling State Board requirements, Psychology 21 is intended for prospective elementary school teachers and Psychology 74 for junior and senior high school teachers. Other psychology courses in addition to these minimum requirements may be used very appropriately to make up some of the electives in professional subjects for state certification.

Psychology Major:—Credit must include experimental psychology and not less than nine quarter hours selected from psychology 70, 75, 79, 101, 102, 105, and seminar courses in psychology. Prospective "school psychologists" will do well to take nearly all of these specified courses.

Lower Division Courses

11. General Psychology.—Autumn. Daily, 10:30. Winter. Daily, 9:30. Spring. Daily, 10:30. Five hours credit. Poulson.

An introductory study of mental activity covering in a general way the whole field of modern psychology. Certain problems of mental hygiene and the psychology of effective study will receive brief consideration. Approximately one-fifth of the course will consist of simple laboratory experiments.

21. Elementary Educational Psychology.—Autumn, Winter, Spring. Section 1, M. W. F., 9:30. Section

2, M. W. F., 10:30. Three hours credit each quarter. Dusenberry.

A general introductory consideration of child nature and the application of psychological principles to the problems of teaching in the elementary school.

25. Psychology of Effective Study.—Autumn. T. 8:30. Winter. T., 10:30. One hour credit. Poulson.

A simple course in applied psychology designed especially to help freshmen who desire to improve their habits of study.

Upper Division Courses

64. Business Psychology.—Autumn. M. W. F., 9:30. Three hours credit. Poulson.

A brief consideration of the contributions of scientific psychology in the fields of advertising, salesmanship, vocational selection, and personnel management. Prerequisite: Psychology 11 or its equivalent.

65. Experimental Psychology.—Winter or Spring. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Two hours credit. Poulson and Mr. _____.

Laboratory experiments in general, business, or educational psychology. Good form in the tabular and graphic presentation of experimental data and the proper interpretation of these will receive emphasis. Prerequisite: Psychology 11, 21, 64 or 74 according to the type of further training the student wishes to receive.

70. Social Psychology.—Winter. M. W. F., 10:30. Three hours credit. Poulson.

A study of mental life as conditioned by the social environment., Habit, impulse, and intelligence in relation to social conduct. Nature and development of personality. Development and psychological significance of social institutions. Important educational implica-

tions of social psychology. Prerequisite: Psychology 11 or its equivalent.

71. Mental Hygiene and the Psychology of Childhood.—Autumn. T. Th., 11:30. Two hours credit. Poulson.

A course dealing with certain important, specialized phases of educational psychology. An attempt will be made to present in systematic form the latest findings in child psychology and to suggest applications of the same in the home, the school and the church. Problems in relation to the development of integrated personalities will be emphasized. Prerequisite: Psychology 11 or 21. (See Religious Education 71.)

72. Psychology of Adolescence.—Winter. T. Th., 11:30. Two hours credit. Poulson.

Continuation of Psychology 71 with special reference to the educational problems of adolescence as the psychologist sees them. Certain phases of psychology of religion which pertain especially to this period will receive consideration. Prerequisite: Psychology 11 or 21. (See Religious Education 72.)

73. Psychology of Religion.—Spring. T. Th., 11:30. Two hours credit. Poulson.

An advanced consideration of some of the most important results of the psychological study of religion as a basis for the interpretation of its meanings in personal and social life. Prerequisite: Psychology 70, 71 or 72. (See Religious Education 73.)

74. Advanced Educational Psychology.—Winter. M. T. Th. F., 8:30. Spring. M. T. Th. F., 9:30. Four hours credit. Poulson.

A brief consideration of certain important phases of the psychology of secondary education such as the laws of economical learning, how we think, and individual differences. About one-fourth of the course will consist of a consideration of the psychology of the var-

ious school subjects. Psychology 11 is recommended as a valuable antecedent course.

75. Mental Tests.—Autumn. M. W. F., 8:30. Three hours credit. Poulson. (Alternates yearly with Psychology 101.)

History, theory, and technique of intelligence testing. Various types of tests and the manner of determining their validity. Scientific interpretation and application of test results. Additional supervised training in the giving of various types of psychological tests may be had by pursuing this interest as a seminar problem. Prerequisite: Psychology 11 or 21.

79. Abnormal Psychology.—Spring. M. W. F., 8:30. Three hours credit. Poulson. (Alternates yearly with Psychology 102.)

A consideration of the psychology of abnormal people with emphasis upon the light thrown on normal psychology and important educational applications. Prerequisite: Psychology 11.

Graduate Courses

101, 102. Advanced General Psychology.—Three hours credit each quarter. Poulson. (Alternates yearly with Psychology 75 and 79. Not given this year.)

A careful review of the field and a comparative study of contemporary systems of psychology. Prerequisites: Zoology 56 and Psychology 11 and 65 or equivalents.

103. Advanced Experimental Psychology.—Winter, repeated in Spring. Lecture, W., 2:30. Laboratory, M. W. F., 3:30-5:30 or equivalent number of afternoon hours to be arranged. Three hours credit. Poulson.

A course designed to give students some preliminary training for independent research in psychology.

Prerequisites: Psychology 11 or its equivalent and senior or graduate classification.

105. Special Topics in Psychology.—Spring. T. Th., 8:30. Two hours credit. Poulson.

This course provides for the individual or group study by advanced students of certain important topics in psychology which are not specifically organized into courses. For this year the topic chosen will probably be Comparative Psychology. **Prerequisites:** Psychology 11 and 65 or equivalents.

170. Social Psychology.—Winter. M. W. F., 10:30. Three hours credit. Poulson.

173. Psychology of Religion.—Spring. T. Th., 11:30. Two hours credit. Poulson.

175. Mental Tests.—Autumn. M. W. F., 8:30. Three hours credit. Poulson.

179. Abnormal Psychology.—Spring. M. W. F., 8:30. Three hours credit. Poulson.

184, 185, 186. Seminar in Psychology.—Autumn, Winter. Spring. Time to be arranged. One hour credit each quarter. Poulson.

Recent and current literature in theoretical and experimental psychology will be reviewed. **Prerequisite:** At least ten hours of credit in psychology.

200. Thesis in Psychology.—Winter. Conference, Th., 2:30. Three to five hours credit. Poulson.

Research work in the preparation of an acceptable Master's thesis. **Prerequisites:** At least ten hours of upper division and graduate credit in psychology including Psychology 65 or 103. Also a course in statistical methods.

RELIGIOUS EDUCATION

Professors Brimhall, Wilson, Swenson, Maw, A. N. Merrill, Reynolds, Eyring, Hoyt, Martin, Woodward, Snow, Poulson, Nelson, Hansen, Osmond, Christensen, Miller, H. R. Merrill, Madsen, Pardoe; Associate Professors J. M. Jensen, Sudweeks, Hales; Assistant Professors W. H. Boyle, Lambert, Dusenberry, Hart, Morley, Jeppson, Ivins; Mr. Dixon, Mr. Peterson, Mr. Anderson.

Students who wish to specialize for work with pre-adolescent children in the various auxiliary organizations of the church will be permitted to supplement the regular courses of the department for a major in Religious Education from the following: Elementary Education 1, 16, 20, and 60; Psychology 70 and 79. Courses especially recommended for these students are Religious Education 16, 17, and 18, Elementary Education 1 and Psychology 79.

Students wishing to specialize for work with adolescents and adults in church service may include in their Theology major courses selected from the following: Educational Administration 75, Philosophy of Education 88, 89, Psychology 70, 77, Secondary Education 54, and Sociology 65. Courses especially recommended for these students are Religious Education 74, 75, 76, 77, 78, 79, 81, 82, 83, 86, 92, and 93, Psychology 73, and Secondary Education 54.

Lower Division Courses

1. Problems of Religious and Ethical Life.—Autumn. T. Th., Sec. 1, 8:30; Sec. 2, 3, 4, 5, 11:30. Two hours credit. Wilson, Miller, Christensen, Peterson.

The student just entering college is aided in the solution of problems incident to his environment. The course treats the general significance and meaning of religion and morals, their origin and their interrelation in the formation of standards of conduct. It also deals with the concepts of right, duty, conscience, and

character. The approach is made through a study of a series of practical problems.

2. Problems of Religious and Ethical Life.—Winter. T. Th., Sec. 1, 8:30; Sec. 2-5, 11:30. Two hours credit. Wilson, Miller, Christensen, Peterson.

A treatment of the practical aspects of religion and morality, with attention to the cultivation of those personal virtues that are the foundation of character. The influence of religious ideals in the development of personal codes and standards; the application of formulated codes and standards to the solution of personal and social problems.

3. Problems of Religious and Ethical Life.—Spring. T. Th. Sec. 1, 8:30; Sec. 2-5, 11:30. Two hours credit. Wilson, Miller, Christensen, Peterson.

The individual's ethical relation to others as applied to his activities in cooperation with others. His responsibility in the promotion of ideals and standards through his functions in church and organizations for social welfare. The ethics of citizenship.

4. Literature of the Bible.—Autumn. T. Th., 11:30. Two hours credit. Reynolds, H. R. Merrill.

A study of the prose forms of the Old Testament from a literary, ethical, historical, and religious point of view. Freshmen will be admitted only with the consent of the instructors.

5. Literature of the Bible.—Winter. T. Th., 11:30. Two hours credit. Reynolds, H. R. Merrill.

A study of the poetry and wisdom literature of the Old Testament including Job and Isaiah. Freshmen students will be admitted only by consent of the instructors.

6. Literature of the Bible.—Spring. T. Th., 11:30. Two hours credit. Reynolds, H. R. Merrill.

A study of the literary forms of the New Testament. Parts of all the books will be considered. Fresh-

men students will be admitted only by the consent of the instructors.

10. Foundations and Fruits of Mormonism.—Autumn. T. Th., 11:30. Two hours credit. A. N. Merrill, Hoyt, Hales.

The aim of this course is to enlarge knowledge and to develop attitudes and abilities that will enable the students to appreciate the Book of Mormon as a great revelation from God. Incidents connected with the discovery of the plates, the translation of the records, the publication of the book; the contents of the Book of Mormon, and proofs of its authenticity are themes which will be discussed. Assigned reading, lectures, and discussions.

11. Foundations and Fruits of Mormonism.—Winter. T. Th., 11:30. Two hours credit. A. N. Merrill, Hoyt, Hales.

A continuation of course 10. The evidences of the authenticity of the Book of Mormon, as found in the doctrinal and ethical teachings of its contents will be considered. A comparison will be made of the teachings of the Book of Mormon writers with the teachings of the writers of the Bible, as well as other great writers and teachers.

12. Foundations and Fruits of Mormonism.—Spring. T. Th., 11:30. Two hours credit. A. N. Merrill, Hoyt, Hales.

This course is designed to give information concerning the achievements of the Church in the establishment of new theological ideas and concepts, its educational and missionary systems, its achievements in colonization, its temple activities and temple work.

14. Genealogy.—Spring. T. Th., 11:30. Two hours credit. Sudweeks.

This course deals with such subjects as the place of genealogy in the plan of salvation, our responsibility to our dead ancestors, genealogical research, the pedi-

gree, the family record, temple sheets, and temple ordinances.

19. Doctrine and Missionary Method.—Autumn. T. Th., 11:30. Two hours credit. Ivins.

A course designed especially for prospective missionaries. A review of the history of religious propaganda, a detailed study of methods employed in preaching the doctrines of the Church.

20. Doctrine and Missionary Method.—Winter. T. Th., 11:30. Two hours credit. Ivins.

Continuation of course 19.

21. Doctrine and Missionary Method.—Spring. T. Th., 11:30. Two hours credit. Ivins.

Continuation of course 20.

22. Hymnology and Music Directorship.—Autumn. T. Th., 11:30. Two hours credit. Madsen.

Study of the historical, doctrinal, prophetic, poetic, and esthetical content of songs and hymns of the Latter-day Saints. They are classified according to their dominant features poetically and musically and are emphasized according to their value to humanity. Special training in the essentials of church music leadership and rudimentary conducting is one of the most important features of the course.

23. Hymnology and Music Directorship.—Winter. T. Th., 11:30. Two hours credit. Madsen.

A continuation of course 22.

24. Hymnology and Music Directorship.—Spring. T. Th., 11:30. Two hours credit. Madsen.

A continuation of course 23.

25. Christianity and Christian Religion.—Autumn. T. Th., 11:30. Two hours credit. J. M. Jensen.

In this course consideration will be given to Judaism as a forerunner and herald of Christianity. Israelitish faith and prophecy will receive attention, and the

culmination of progressive, spiritual Judaism in Christianity will be stressed.

26. Christianity and Christian Religions.—Winter. T. Th., 11:30. Two hours credit. J. M. Jensen.

A study of important Christian religions of the present day: Catholicism; some of the important denominations of Protestantism; Christian Science; and the Salvation Army movement. The origin and history of each will be considered at sufficient length to give a background for a careful analysis of the principles of the modern Christian churches.

27. Christianity and Christian Religions.—Spring. T. Th., 11:30. Two hours credit. J. M. Jensen.

A study of present tendencies among Christian churches. Fundamentalism and Modernism as cross sections of various denominations will be analyzed. The relationship of modern science to Christianity will receive serious thought.

Upper Division Courses

52. The Mormon Community.—Autumn. T. Th., 11:30. Two hours credit. Nelson. (See Sociology 52.)

Social, economic, and political backgrounds of Mormon Community organizations. Special attention is given to the village form of rural community as created by the Latter-day Saints. The contemporary influences which had a bearing on the village idea, and the subsequent history of the Mormon group, especially the conflict and cooperation experiences, are given consideration.

NEW TESTAMENT.—The three courses following, aim at a constructive and interpretative study of the New Testament. The courses will be based primarily on the text, although outside authorities will be used. The courses will include a study of the social, political

and religious conditions in and about Palestine during New Testament times.

54. Life and Teachings of Christ.—Autumn. T. Th., 11:30. Two hours credit. Swenson, Maw, Martin.

A study of the life and teachings of Jesus as revealed in the New Testament.

55. Life and Teachings of Christ.—Winter. T. Th., 11:30. Two hours credit. Swenson, Maw, Martin.

Continuation of course 54.

56. Life and Teachings of Paul and Other Apostles.—Spring. T. Th., 11:30. Two hours credit. Swenson, Maw, Martin.

The course in addition to a study of the journeys and missions of Paul, will include a study of some of the Epistles.

57. Philosophy and Life.—Autumn. T. Th., 11:30. Two hours credit. Osmond.

A discussion of the fundamental principles of philosophy, science, and religion and their inter-relations. A brief historic sketch of Greek philosophy is given as an introduction to a more careful study of Realism, Mysticism, Rationalism, and Idealism.

58. Philosophy and Life.—Winter, T. Th. Two hours credit. Osmond

A continuation of course 57. A comparative study of natural and revealed religion. The seven fundamental natures of man, the negative and positive conditions of happiness, pleasure, joy, and tragedy and life, are the principal subjects discussed in this course.

59. Philosophy and Life.—Spring. T. Th., 11:30. Two hours credit. Osmond.

A continuation of course 58. This course is devoted to a study of the elements and agencies of redemption, the spiritual life, good and evil, the truth, the fine art of living, and the philosophy of conflict.

60. Comparative Religions.—Autumn. T. Th., 11:30. Two hours credit. Snow. (Not given this year.)

A general perspective of the important religions of the world. Among the religions considered are: Religions of primitive people of Babylonia and Assyria, Egypt, Judaism, Mohammedanism, Zoroastrianism, the religions of China, Japan, Greece, Rome, and of the Celts and Teutons. Some attention is also given to a study of the important Christian sects.

61. Comparative Religions.—Winter. T. Th., 11:30. A continuation of course 60. Two hours credit. Snow. (Not given this year.)

62. Comparative Religions.—Spring. T. Th., 11:30. Snow.

A continuation of course 61. (Not given this year.)

63. History of the Christian Church.—Autumn. T. Th., 11:30. Two hours credit. Snow.

Christianity a product of Mediterranean civilization created anew by the Messiah. A brief study of the oriental and classic culture and philosophy out of which emerged the Christian Church under the Teachings of Christ, Paul, the Church Fathers and the Clergy both lay and clerical. Attention will be given to the development of the Papacy, the conflict between orthodoxy and heresy, the rivalry of Empire and Papacy, the Conciliar movement, the Renaissance and Reformation and the diversity of religious beliefs and practices under the new spirit of tolerance and liberty. The present status of Christendom will conclude the year's work.

64. History of the Christian Church.—Winter. T. Th., 11:30. Two hours credit. Snow.
Continuation of course 63.

65. History of the Christian Church.—Spring. T. Th., 11:30. Two hours credit. Snow.
Continuation of course 64.

66. Bible History.—Autumn. T. Th., 11:30. Two hours credit. W. H. Boyle.

Growth of the Bible. Growth of traditions and story cycles and their historical values. Historical survey of Israel and a study of their social, ethical and religious ideas and ideals. Application of their problems to modern world conditions. Brief historical background, interpretation and literary merits of the books of the Old Testament.

67. Bible History.—Winter. T. Th., 11:30. Two hours credit. W. H. Boyle.

Continuation of course 66.

68. Bible History.—Spring. T. Th., 11:30. Two hours credit. W. H. Boyle.

Continuation of course 67.

71. Mental Hygiene and the Psychology of Childhood.—Autumn. T. Th., 11:30. Two hours credit. Poulson.

A course dealing with certain important specialized phases of educational psychology. An attempt will be made to present in systematic form the latest findings in child psychology and to suggest applications of the same in the home, the school and the church. Problems in relation to the development of integrated personalities will be emphasized. Prerequisites: Psychology 11 or 21.

72. Psychology of Adolescence.—Winter. T. Th., 11:30. Two hours credit. Poulson.

Continuation of Psychology 71 with special reference to the educational problems of adolescence as the psychologist sees them. Certain phases of psychology of religion which pertain especially to this period will receive consideration. Prerequisite: Psychology 11 or 21. (See Psychology 72.)

73. Psychology of Religion.—Spring. T. Th., 11:30. Two hours credit. Poulson.

An advanced consideration of some of the most important results of the psychological study of religion as a basis for the interpretation of its meanings in personal and social life. Prerequisite: Psychology 70, 71 or 72. (See Psychology 73.)

74. Social and Recreational Leadership.—Autumn T. Th., 11:30. Two hours credit. Jeppson and _____

Social dancing. This course is designed to prepare students for teaching and supervising social dancing in wards and communities. Ballroom management and dance music will be given particular emphasis.

75. Social and Recreational Leadership.—Winter. T. Th., 11:30. Two hours credit. Jeppson and _____

This course is designed to prepare leaders in directing home entertainment. Plans for special holiday parties, occasional informal affairs will be studied.

76. Social and Recreational Leadership.—Spring. T. Th., 11:30. Two hours credit. Jeppson and _____

This course is given to meet the needs of church and school recreational leaders. The various forms of play for primary and secondary school, and church auxiliary organizations will be studied and workable plans compiled. Each student will have opportunity for practice.

77. Scout Leadership.—Autumn. T. Th., 11:30. Two hours credit. A. A. Anderson.

A course designed especially for scoutmasters and prospective scout leaders. The first part of the course will consist of a series of short hikes on which the following topics will be studied: How to walk, packs for pedestrians, campmaking, fire-building, camp cookery, knots, hitches and lashings. The second part of the course will consist of a study of first aid, bandaging, personal and public health.

78. Scout Leadership.—Winter. T. Th., 11:30. Two hours credit. A. A. Anderson.

A continuation of course 77. The topics to be studied are: Organization of a Scout troop and its relationship to the Local Council and the National Council, Boy Scouts of America; the methods of troop management and the use of the patrol system; the psychology of the Boy Scout; scout stories and games.

79. Scout Leadership.—Spring. T. Th., 11:30. Two hours credit. A. A. Anderson.

A continuation of course 78. Signs, symbols, and signaling; pathfinding and mapmaking; trees, flowers, birds, common wild animals, and stars are the subjects to be studied in the classroom and while on short hikes.

81. Religion and Philosophy.—Autumn. T. Th., 11:30. Two hours credit. Woodward.

This course will trace the development of the religious ideas of the Hebrew people from the patriarchal days to Christ, culminating in the idea of the eternal nature of the self, the universal brotherhood of man, and the common fatherhood of a personal God. A study of the background of Old Testament literature and of the ancient philosophies which, in turn, helped to determine the religious ideals, will be made. Attention will be given to modern scientific criticism of the Bible and the problem involved.

82. Religion and Philosophy.—Winter. T. Th., 11:30. Two hours credit. Woodward.

This course deals with a comparative study of the great spiritual philosophies and religions of the world, including the philosophy of Jesus, Buddhism, Confucianism, Taoism, Early Hinduism, and Zoroastrianism.

83. Religion and Philosophy.—Spring. T. Th., 11:30. Two hours credit. Woodward.

This course will be an integrating course designed to bring together the principal problems in the two previous courses. It will also deal with the common message of the great philosophies and religions mentioned in 82. This common message will be discussed

under the following heads: Reign of Law in Nature, Moral Order, The Divinity of Man, Self-effort as the principle of progress, Self Control, The Law of Compensation, Individual Freedom, Personal Responsibility, The Golden Rule, The Brotherhood of Man, etc.

84. Religion and Life.—Autumn. T. Th., 11:30. Two hours credit. Lambert.

This course offers students an opportunity to make an analysis of the basic concepts set forth in The Doctrine and Covenants together with a consideration of how these concepts may assist in building a happy life. The course is conducted on a seminar basis.

85. Religion and Life.—Winter. T. Th., 11:30. Two hours credit. Lambert.

This course offers students an opportunity to make a study of the historical and social backgrounds into which various sections of the Doctrine and Covenants came. It considers the needs which the various revelations contained in this book met as they were given. The course is conducted on a seminar basis.

86. Administration of Private and Parochial Schools and Seminaries.—T. Th., 11:30. Two hours credit. Lambert.

This course offers students an opportunity to study the place of the private and the denominational school in America and the relationships which exist between private and state schools. Students majoring in Educational Administration may obtain major credit for this course.

87. Rationality of Religion.—Autumn. T. Th., 2:30. Two hours credit. Wilson.

This course will deal with the following: Religion as life in its relationship to philosophy, the concept of truth, how arrived at, the concept of God, his relations to man, and his plan for man's redemption. Jesus Christ and his relation to the plan, his divinity, and

the atonement brought about by him. Joseph Smith, his mission and work. The Church as a social organization, its functions, methods and problems. The relation of psychology to personal religious development, the tests of religious progress in terms of personal welfare. The relation of religion to the natural sciences, the concept of evolution and its relation to religion, the nature of progress, and the relation of all life's interests to the gospel of Jesus Christ.

88. Rationality of Religion.—A continuation of course 87. Winter. T. Th., 2:30. Two hours credit. Wilson.

89. Rationality of Religion.—A continuation of course 88. Spring. T. Th., 2:30. Two hours credit. Wilson.

94. Anthropology.—Autumn. T. Th., 11:30. Two hours credit. Hansen. (See Sociology 94.)

An introductory course in the study of the science of man. Treated from the standpoint of his antiquity and development as interpreted from paleontological and archeological evidence.

95. American Anthropology .—Winter. T. Th., 11:30. Two hours credit. Hansen. Anthropology 94 prerequisite. (See Sociology 95.)

A study of the American Indian and his place among the races of mankind.

96. Cultural Anthropology.—Spring. T. Th., 11:30. Two hours credit. Nelson. (See Sociology 96.)

This course will deal with the origin and development of social institutions. Attention will be given such topics and the family, and family relationships; the tribe, magic, religious ceremonies and beliefs, totemism, legends and myths. The meaning of culture traits and culture processes will be given consideration.

Graduate Courses

105. Research in Religious Education.—Autumn. Winter, or Spring. Two hours credit. Lambert.

A course in technique or research as applied to problems in religious education and which will provide an opportunity for students to apply acceptable methods of investigation to problems in this field. Credit is based upon presentation of an acceptable paper embodying the results of independent work upon an approved problem.

106. Research Methods in the Social Sciences.—Spring. T. Th., 11:30 and W., 2:30. Three hours credit. Nelson.

It is recommended that students should have had Mathematics 13 or Educational Administration 79 before taking this course.

121. Seminar.—Autumn. W. 4:30. One hour credit. Wilson.

122. Seminar.—Winter. W., 4:30. One hour credit. Wilson.

123. Seminar.—Spring. W., 4:30. One hour credit. Wilson.

160. Primitive Religions.—This course will deal with the origin and peculiar manifestations of primitive religions. Religious folk lore and forms of magic may offer problems for research. Snow.

161. Great Religions of the World.—A rather intensive study of some one of these will be required. (Not given this year.)

162. The Religious Rivals of Early Christianity.—This course will involve a survey of the religions most prominent in the Roman World at the birth of Christ. Particular attention will be given Mithraism and its relation to Christianity. (Not given this year.)

163. Early Christianity and its Different Appeals to Jew and Gentile.—Special problems of research; e. g. Nestorianism, Montanism, Gnosticism, and the Atonement. Various explanations of the Atonement may furnish a basis for careful study.

164. Early Church Movements and the Development of a Catholic Church Organization.

165. Christianity and the Rationalism of the Eighteenth Century and the Speculative Theories Since.—Intensive study of some of the modern problems will be required.

173. Psychology of Religion.—Spring. T. Th., 11:30. Three hours credit. Poulson.

181. Philosophy and Religion.—Autumn. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Religious Education 81, with additional research work.

182. Philosophy and Religion.—Winter. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Religious Education 82, with additional research work.

183. Philosophy and Religion.—Spring. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Religious Education 83, with additional research work.

184 Religion and Life.—Autumn. T. Th., 11:30. Two hours credit. Lambert.

This course parallels Religious Education 84 and permits graduate students to do intensive work in the field.

185. Religion and Life.—Winter. T. Th., 11:30. Two hours credit. Lambert.

This course parallels Religious Education 85 and permits graduate students to do intensive work in the field.

186. Administration of Private and Parochial Schools and Seminaries.—T. Th., 11:30. Two hours credit.

This course parallels Religious Education 86 and permits graduate students to do intensive work in this field. Students majoring in Educational Administration may obtain credit for this course.

187. Rationality of Religion.—Autumn. T. Th., 2:30. Two hours credit. Wilson.

188. Rationality of Religion.—A continuation of course 187. Winter. T. Th., 2:30. Two hours credit. Wilson.

189. Rationality of Religion.—A continuation of course 188. Spring. T. Th., 2:30. Two hours credit. Wilson.

The three preceding courses are extensions of courses 87, 88, and 89.

193. Methods in Religious Education.—Autumn or Spring. T. Th. Two hours credit. A. N. Merrill.

This course is designed for those who are expecting to qualify for efficient service in directing teacher training, in supervising instruction, and teaching adolescent and adult students. It will deal with the best devices employed in directing and supervising theological instruction, and also with the most efficient methods of teaching for the attainment of definite purpose in the field of theology.

194. Anthropology.—Autumn. T. Th., 11:30. Two hours credit. Hansen.

A course covering the most important discoveries made by anthropologists in the old and new worlds and a discussion of their interpretations as they throw light upon the history of man. Open to junior, senior, and graduate students. (See Sociology 94.)

195. Anthropology.—Winter. T. Th., 11:30. Two hours credit. Hansen. (See Sociology 95.)

A continuation of course 194 with special reference to the American Indians.

196. Anthropology Research.—Spring. Time and credit to be arranged. Hansen. (See Sociology 96.)

197. Religion of the Scientist.—Autumn. T. Th., Two hours credit. Eyring.

A study will be made of the religious beliefs held by representative scientists as science has been in the making, of the effect of science on the religion of the masses, of the development of the mechanistic conception of the universe during the last century and of the modern tendency toward a less materialistic and a more spiritual interpretation of life. With this study as a background an attempt will be made to show how a person may integrate his religion and science into a coordinated whole.

198. Religion of the Scientist.—Winter. T. Th. Two hours credit. Eyring.

Continuation of course 197.

199. Religion of the Scientist.—Spring. T. Th. Two hours credit. Eyring.

Continuation of course 198.

SECONDARY EDUCATION

Professors A. N. Merrill, Woodward, Eastmond, Nelson, Romney, Madsen; Associate Professors Sudweeks, Warnick; Assistant Professors Boyle, Lambert, Jensen, Hart, Morley, Hansen; Mr. Dixon, Mr. Peterson, Secondary Training School Faculty.

The following courses are suggested for students who desire to take work in other departments of the College of Education. Philosophy of Education 89, 92, 145; Educational Administration 46, 77; Elementary Education 60; Psychology 74, 77. With the approval of the major professor courses from other departments may be offered to fill major requirements.

Upper Division Courses

51. Organization, Administration, and Teaching Methods in Secondary Schools.—Autumn or Winter. 10:30. M. F. Two hours credit. Merrill.

This course is designed to include a study of methods of teaching in high school, necessary as a prerequisite for practice teaching. This is part of the course Organization and Administration of Secondary Schools as outlined in the certification requirements of the state. Courses 51 and 52, will be required for those desiring credit in practice teaching and recommendation to the State Board of Education for certification. In course 51 emphasis will be placed on methods of teaching in high school.

52. Organization and Administration of Secondary Schools.—Autumn, or Winter. 10:30, T. Th. Two hours credit. Woodward.

During this course special attention will be given to the problems of high school organization and administration.

54. Secondary Teaching.—Autumn, Winter and Spring. W., 10:30. Eight hours credit, four hours in each two quarters. Merrill, Boyle, Lambert, Jensen, and Secondary Training School Faculty.

This is a course in practice teaching under supervision. Each student before receiving credit in the course will make a critical study of one good book on the special methods of teaching his major subject. Approximately 80 hours of participation and responsible class room teaching will be required, but success in the course will be determined by the quality of the work done, not by the number of hours teaching. The students begin by performing the simpler routine tasks of the class-room and preparing the assignments made to the pupils. They will be permitted to assume responsibility as rapidly as they show ability to do so. A certain minimum of responsible teaching in full charge of the class is required. Each student will train in his major subject unless special arrangements are made for training in other lines. A student should have Educational Psychology and Philosophy of Education 81 as prerequisites to this course. Secondary Teaching 51 and 52, are to be taken as parallel courses. Before a student is registered he must present from his major and minor professors a statement that his scholarship is sufficiently high to justify his teaching the subjects. Hours must be arranged with the Supervisor of Secondary Training before registering.

55. Junior High School Organization and Teaching.—Autumn. 9:30. M. W. F. Three hours credit. Merrill. (Not given this year.)

This course will deal with the most vital problems in the organization and methods of teaching in the junior high school. The functions, the objectives, the curricula and courses of study, and technique of teaching on this level will be given special consideration. Students will have the opportunity of observing in the Secondary Training School.

***62. Methods of Teaching Art.**—Autumn and Winter. Th., 3:30. One hour per week. Two hours credit. Eastmond. (See Art 54.)

63. Methods of Teaching Agriculture.—Autumn. 8:30. F. Two hours credit. Sudweeks. (Not given this year.)

A practical course in the application of methods to the teaching of Agriculture. Intended to accompany or precede Secondary Teaching 54. For senior or junior students who are preparing to teach Agriculture. Emphasis will be given to consideration of Smith-Hughes standards and requirements. Given each alternate year.

64. Methods of Teaching Music.—Winter. 8:30. T. Th. Two hours credit. Hanson.

66. Methods of Teaching Physical Education.—Autumn and Winter. Time to be arranged. Romney, and Dixon. (See Physical Education 92.)

67. Methods of Teaching Home Economics.—Autumn. T. Th., 8:30. Warnick. (See Home Economics 81, 82.)

68. Methods of Teaching Speech.—Autumn and Winter. Two hours credit. One hour per week. Time to be arranged. Morley. (See Speech 91.)

69. Measurements of High School Teaching.—Spring. 1:30. Four hours credit. Sudweeks. (Not given this year.)

A study of standard tests, now available for use in high school subjects. Some practice will be given in giving and scoring tests, interpreting results, and planning remedial teaching. Open to advanced stu-

*Special method courses are offered in some of the other subjects. Such courses, when offered, are described as separate courses in the respective departments and credit for such courses is to be used to fill major rather than educational requirements.

dents only. Some consideration given to Old and New Type Examinations.

81. Science of Education.—Autumn, Winter and Spring. 9:30. Four hours credit each quarter. Woodward. (See Philosophy of Education 81.)

This course is required of all students in education who expect to qualify for high school state certification and should be taken during the junior year.

91. The High School Curriculum.—Winter, 9:30. M. T. W. Th. Four hours credit. Merrill.

In this course, the principles governing the organization of the high school curriculum, will be studied. The evaluation of the objective, the course of study and the activity phase of the present high school curriculum will be considered with the idea of improvement. The unification of the work of the various departments of the high school and how these may contribute to the achievement of the recognized aims of education will be a part of the course.

92. Vocational Education.—Autumn. 9:30. Four hours credit. (See Philosophy of Education 92.) (Not given this year.)

94. Educational and Vocational Guidance.—Autumn. 9:30. M. T. W. Th. Four hours credit. Merrill.

In this course a survey will be made of the development in the field of vocational guidance. It will include a consideration of the principles of vocational guidance early vocational experience as a feature in determining the choice of an occupation; equipment and method of a vocational counselor; the school as a vocational guidance center; modification of the high school curriculum to facilitate vocational choice; type of reading which will lead to proper vocational adjustment; placement as a function of the schools; relation of vocational guidance to industrial education.

95. Rural Education Surveys.

Graduate Courses

101. Special Problems in High School Curriculum with Special Reference to Utah Schools.—Time to be arranged. Four hours credit. Merrill.

In this course, a careful analysis will be made of the subject matter and student activities now required of students in the different phases of work in the high schools of Utah. The students will investigate the high schools of their special interests for the purpose of ascertaining the nature of the curriculum that is at present being administered, and comparing this with the latest thought in the field of curriculum making.

102. Problems in Part-time Education.—Hours to be arranged. Two hours credit. Merrill and Woodward.

This course deals with the methods and problems of part-time education; the character of the population to be educated, methods of teaching in part-time classes, job analysis and course organization.

147. Research Work in Secondary Teaching.—The consent of the instructor is necessary before registering. Merrill, Lambert.

In certain courses, students may be given from two to four hours credit on presentation of a satisfactory thesis on an assigned topic embodying the results of independent work.

148. Introduction to Research and Thesis Writing.—Autumn. 2-3 hours credit. Lambert.

A course in principles and techniques, research and training in thesis preparation with instruction in using sources of materials, preparation of bibliography, organizing and reporting results of investigations, selection of suitable thesis problems. Senior students may enter with the consent of the instructor. All students registering as candidates for the Master degree in the College of Education are expected to take this course.

150. **Graduate Seminar in Education.**—Each alternate Monday, 7:30 to 9:30 p. m.

169. **Measurements of High School Teaching.**—Spring. 1:30. Four hours credit. Sudweeks.

(See Secondary Education 69.)

191. **The High School Curriculum.**—Winter. 1:30. M. T. W. Th. Four hours credit.

(See Secondary Education 91.)

192. **Vocational Education.**—Autumn. 9:30. Four hours credit. Merrill. (Not given 1931-32.)

(See Philosophy of Education 92.)

194. **Educational and Vocational Guidance.**—Autumn. 9:30. M. T. W. Th. Four hours credit. Merrill.

200. **Thesis Work in Secondary Education.**—From four to eight hours credit, depending upon the problem. Merrill and Woodward.

The work of this course is largely individual research under the direction of the professor in charge. The material and the problems studied will be in connection with the master's thesis.

SOCIOLOGY

Professors Swenson, Woodward, Nelson, Hansen; Assistant Professor Boyle

Lower Division Courses

Courses 11, 12, 13, are prerequisite to all other courses in Sociology. Upper division students may register for these courses as 55, 56, 57, for upper division credit.

11 or 55. **Introduction to the Study of Sociology.** Autumn. M. W. F., 2:30. Three hours credit. Swenson.

This course is designed to give the ground work for social study. Gives a general view of social organizations, social forces and a practical working theory of the nature of society.

12 or 56. Elementary Principles of Sociology.—Winter. M. W. F., 2:30. Three hours credit. Swenson. Continuation of course 11.

13 or 57. Social Problems.—Spring. M. W. F. 2:30. Three hours credit. Swenson.
A discussion of concrete social problems.

41. Juvenile Sociology.—Autumn, T. Th., 9:30. Two hours credit. Boyle.

This course deals with the educational problems of the adolescent, as related to the home, the school, industry, the community, and his own group. The child's moral equipment, his social traits, and moral and sex education through school subjects. History of juvenile delinquency and the study and treatment of delinquents.

Upper Division Courses

51. Community Organization and Leadership.—Spring. M. W. F., 9:30. Three hours credit. Swenson.

This course deals with the problems of community life and action, and the methods of promoting them through organization and leadership. Special attention will be given Church organizations in their relation to the recreational, ethical, and spiritual life of the community.

52. History and Development of the Mormon Community.—Two hours credit. Nelson.

This course deals with the evolution of the "village" form of community organization among the Latter-day Saints. The social, political, economic, and in-

tellectual characteristics of the early nineteenth century are studied as background material. Subordinate treatment is given to village systems of Europe and Asia, and their possible relation to the Mormon village. Early economic ideals of the Mormon as embodied in the "United Order", together with other plans for "building Zion" are considered.

53. Rural Sociology.—Winter. M. W. F., 10:30. Three hours credit. Nelson.

A survey of social conditions in the rural life of America, with special reference to those social processes which are in operation at the present time, such as rural migration, standard of living, town and country relations, and changes in institutional life.

61. Educational Sociology.—Autumn. M. W. F., 9:30. Three hours credit. Swenson.

An introductory study of the principles of educational sociology and their application to the theory and practice of school administration, curricula and methods of instruction.

65. Community Welfare.—Winter. 9:30. Two hours credit. Swenson. (Not given this year.)

A study of local organizations for social, civic, and philanthropic work. Special emphasis on case work.

66. Urban Sociology.—Winter. 9:30. Two hours credit. Swenson. (Not given this year.)

A study of the evolution and problems of urban life, with special emphasis on the economic, ethical, and political influence of cities on modern society.

70. Social Control.—Spring. M. W. F., 8:30. Three hours credit. Swenson.

A study of the means of the control of the individual by groups. Such agencies as public opinion, belief, social suggestions, ceremony, personal ideas, etc., will be studied in detail.

75. Social Pathology.—Spring. 9:30. Three hours credit. Swenson. (Not given this year.)

A study of the delinquent, defective, and dependent classes, and a survey of pathological conditions, and processes in modern society. Also a study of benevolent and corrective institutions.

85. Social Organization.—Winter. M. W. F., 9:30. Three hours credit. Swenson.

A study of the structural and psychic factors in social organization.

87. Philosophic Ethics.—Autumn. M. W. F., 9:30. Three hours credit. Woodward.

This course is designed to meet state requirements in Ethics or Sociology. It parallels Philosophy of Education 87. (See Philosophy of Education 87.)

88. Social Ethics.—Spring. T. Th., 10:30. Two hours credit. Woodward.

This course is designed with 87 to meet state requirements in Ethics or Sociology. (See Philosophy of Education 88.)

90. Labor Problems.—See Economics 59.

91. Labor Legislation.—See Economics 61.

94. Anthropology.—Autumn. T. Th., 11:30. Two hours credit. Hansen.

An introductory course in the study of the science of man. Treated from the standpoint of his antiquity and development as interpreted from Paleontological and archeological evidence.

95. American Anthropology.—Winter. T. Th., 11:30. Two hours credit. Hansen.

A study of the American Indian and his place among the races of mankind as interpreted from paleontological data.

96. Cultural Anthropology.—Spring. T. Th. Two hours credit. Nelson.

An analysis of the social institutions of primitive people and how those institutions have developed. The meaning and content of culture. (See Religious Education 96.)

Graduate Courses

101, 102, 103. Research.—Time and credit to be arranged. Swenson.

Opportunity is given for the student to work out a problem in the field of his greatest interest. Direction in the methodology of research in the social science field, and in the presentation of material.

104. Research Methods in Social Science.—Three hours credit. Nelson.

The nature of social science; types of approach to and methods of study of social phenomena. Students should have some knowledge of statistical method before taking the course, or get consent of the instructor.

151. Community Organization.—Spring. M. W. F., 9:30. Three hours credit.

152. History and Development of the Mormon Community.—Two hours credit. Nelson.

161. Educational Sociology.—Autumn. 9:30. Three hours credit.

169. Advanced Anthropology.—Spring. T. Th. Two hours credit.

185. Social Organization.—Winter. Three hours credit.

190. Labor Problems.—Winter. Three hours credit.

191. Labor Legislation.—Spring. Three hours credit.

194. Anthropology.—Autumn. Two hours credit. Hansen.

195. Cultural Anthropology.—Spring. Two hours credit. Nelson.

197. Research.—Time and credit to be arranged.

200. Thesis.

SPEECH

Professors Pardoe, Cummings; Assistant Professor Morley;
Mrs. Stewart

Students majoring in this department are required to furnish two years in a foreign language, Phonetics 1, Physics 11; Speech 1, 2, 11, 12, 13, 21, 22, 61, 72, 73, 81-p and 91.

Lower Division Courses

1. Principles of Speech.—Autumn. M. W. F. 1:30. Three hours credit. Pardoe.

The elements of speech, proper carriage, and simple outline of speeches constitute the major portion of this course. The overcoming of self-consciousness, and the ability to feel at ease developed to a profitable conclusion.

2. Open Forum Discussion.—Winter. M. W. F., 1:30. Three hours credit. Pardoe.

Encouragement and practice in extemporaneous speech and application of speech principles.

3. Speech Analysis.—Spring. M. W. F., 1:30. Three hours credit. Pardoe.

The study of masterpieces and models of speech composition. Practice in delivery and analysis. Much of this course is planned for platform practice, extemporaneous and impromptu.

11. Elementary Elocution.—Autumn. T. W. Th. F., 8:30. Four hours credit. Morley.

Fundamental principles of speech arts. Thought analysis and methods of expression constitutes major portion of course.

12. Classical Literature.—Winter. T. W. Th. F. Four hours credit. Morley.

Application of the elements of reading to great scenes of classical literature. Voice and body technique are scientifically treated with relation to their importance to the art of interpretation.

13. Dramatic Monologue.—Spring. M. W. F., 8:30. Three hours credit. Morley.

Special attention is given to the dramatic monologue and soliloquy. The ability to project thought analysis without losing the spirit of the selection is given special attention.

21. Interpretative Literature.—Autumn. M. W. F., 10:30. Three hours credit. Morley.

A study of thought and emotion with relationship to the printed page. Character delineation forms a great portion of the work. American authors given special consideration. Courses 11, 12, and 13 are prerequisites.

22. Dialogue and Scene Presentation.—Winter. M. W. F., 10:30. Three hours credit. Morley.

The great scenes from Shakespeare, Dickens, Tennyson, Bulwer-Lytton, Goldsmith, and Sheridan form a basis of the course. Character analysis and presentation. Courses 11, 12, 13, prerequisites.

23. Representative Dialect.—Spring. M. W. F., 10:30. Three hours credit. Pardoe.

A study of dialect as an element of humor in interpretation.

42. Practical Phonetics.—A course prescribed for all majoring in Speech. Given to aid students to ac-

quire a better understanding of English and foreign diction. (See Department of Modern and Classical Languages: Phonetics 1. Cummings.

Upper Division Courses

51. Advanced Speech Composition.—Autumn. M. W. F., 8:30. Three hours credit. Pardoe.

An intensive study of the organization of advanced forms of public speaking and practical experience in their delivery.

52. Religious Public Speaking.—Winter. M. W. F., 8:30. Three hours credit. Pardoe.

A course designed for students preparing for the mission field and for those who wish to participate in the public speaking activities of the church.

53. Argument and Debate. (See English 6).—Spring. M. W. F., 8:30. Three hours credit. Pardoe.

A study of the principles of argument followed by a series of debates on current questions. Prerequisites. English 1, 2, 3 or Speech 1 and 2.

61. Impersonation.—Autumn and Winter. M. W. F., 1:30. Six hours credit. Pardoe.

An advanced course leading to the reading of full programs. Only those who have built a proper voice foundation and can qualify in courses, 1, 2, 11, 12, 13 and 22 are eligible. Public recitals form a good position of practice work.

72. Play Production.—Winter. M. W. F., Three hours credit. 2:30. Advanced students only. Morley.

A study of the theory of play production and its practical application to problems of directing and staging dramatic production. Students direct and produce one act plays. Courses 11, 12, 13, 22, prerequisites.

73. Stage Craft.—Spring. M. W. F. Three hours credit. 2:30. Morley.

A practical course in design, construction and handling of scenery, costumes, properties and lighting. Principles and practices in make-up. Course 72, prerequisite.

77. History of Dramatic Production.—Autumn. T. Th. Two hours credit.

The Egyptian, Grecian and Roman Theatre. A study of the means employed in the theatrical presentations during the above periods.

78. History of Dramatic Production.—Winter. T. Th. Two hours credit.

The Oriental Theatre and the European Theatre from the Romans to Elizabeth.

79. History of Dramatic Production.—Spring. T. Th. Two hours credit.

From Elizabeth to the Moderns.

81-p. Dramatic Technique.—One hour credit per quarter for each recitation per week. Pardoe, Morley, Stewart.

An intensive individual course in advanced interpretation. A careful analysis and study of human emotions and their portrayal, bodily coordination, pantomime, gesture. Time and fee to be arranged with instructor.

84-p. Public Speaking.—One hour credit per quarter for each recitation per week. Pardoe, Morley.

An intensive individual course designed for those who desire to concentrate on organization and delivery of the more advanced forms of public speech. Time and fee to be arranged with instructor.

87-p. Voice and Speech Improvement.—One hour credit per quarter for each recitation per week. Pardoe, Morley, Stewart.

An intensive individual course designed to help the student eliminate bad, and form a good speech habit, with particular attention to development of a pleasing,

well-modulated speaking voice. Time and fee to be arranged with instructor.

91. Methods of Teaching Speech.—Autumn and Winter. Time to be arranged. Two hours credit.

Organization of high school departments of speech. Selection of materials and methods to be employed in speech teaching. (See Secondary Education 68.)

ZOOLOGY AND ENTOMOLOGY

Professor Tanner, Dr. Cullimore, Dr. Oaks, Dr. Merrill,
Mr. Hayward, Miss Maughan, Mr. Brown.

Students majoring in this department must complete courses 11, 30, 55, 56, 75, 78, 80, 81, 82, and 94. Substitution of other courses is permitted in special cases.

Students who expect to study medicine may take Zoology for their major subject and complete the courses advised or they may take the following courses: 11, 55, 56, 71, and 72.

Students who desire to teach Biology in the High School should complete the following courses: 11, 20, 30, 55, 56, 65, and 71; Botany 12, 21, and 55.

Facilities for the Study of Zoology and Entomology

The natural history collections consist of a very complete collection of Utah fish, amphibians, reptiles, birds, and mammals. This collection is also supplemented by the Chester Van Buren collection of birds from Magdalena River of Colombia, South America, which consists of over a thousand skins; and the David Starr Jordan collection of fish from the Hawaiian Islands. The Entomological collection contains authoritative ly named specimens in all the orders of insects. The pinned inects are placed in three hundred trays, 18x19 inches in size, two inches deep. The specimens are pinned in unit boxes. The Lepidoptera collection is a very complete one of Utah and the Great Basin region. It contains over six hundred named

species and ten thousand specimens. It is made up of the famous Tom Spalding collection and the Chester Van Buren collection. The Coleoptera collection contains over five thousand determined species and twenty-five thousand specimens. It contains a very complete collection of weevils, 280 species from the Blatchley collection.

A well equipped laboratory is maintained at the mouth of Provo River on the East shore of Utah Lake. This provides ample facilities for careful study of this interesting fresh water lake.

ZOOLOGY

Lower Division Courses

11. General Zoology.—Autumn and Spring. Three hours credit. T. Th., 10:30. Laboratory, Autumn. T. 1:30 to 3:30; Spring. Th., 1:30-3:30. Tanner, Hayward, Maughan, Brown.

Fundamentals of structure, physiology, development, heredity, adaptations, classifications, and bearing of Biology on human life.

20. Health Education.—Autumn, Winter, Spring. M. W. F., 1:30. Three hours credit. Cullimore, Oaks, and Merrill.

Designed to meet state requirements in health education. The early part of the course is devoted to fundamental physiological processes, and upon these as a foundation are based studies of personal hygiene, hygiene of the school child, sanitation of school buildings and surroundings, public and home sanitation, and recognition of defects in children.

23. Animal Ecology.—Spring. M. W., 9:30, laboratory W., 2:30-5:30. Three hours credit. Tanner.

This course will consist of lectures and field work. The environment, natural habitats, adaptations, rela-

tionships of organisms, and distribution of species and communities will be considered.

Upper Division Courses

55. Invertebrate Zoology.—Winter. T. Th., 8:30. Laboratory M. W., 1:30 to 4:30. Four hours credit. Tanner, Hayward, and Maughan.

This course is designed to follow Zoology 11, and is intended to give the students a broader knowledge of the morphology and relationships of the invertebrate groups. Much emphasis will be placed upon the invertebrate life of the Great Basin region. Considerable time will be spent on the phylum Arthropoda.

56. Vertebrate Zoology.—Spring. T. Th., 8:30. Laboratory, M. W., 1:30 to 4:30. Four hours credit. Tanner, Hayward, and Maughan.

A general course dealing with the habits and the geographical distribution of the vertebrate species. Much time will be devoted to a study of the fish, amphibians, reptiles, birds and mammals of the Great Basin.

57. Ornithology.—Spring. M. W. F., 1:30 to 3:30. Two hours credit. Hayward.

A course in the evolution, structure, classification, and distribution of birds, with special reference to the Utah species. There will be several field trips including an all-day trip to the Bear River Bay Region. Prerequisites, Zoology 11 and 56.

65. Human Physiology.—Spring. M. W. F., 7:30; laboratory T. Th., 1:30-4:30. Five hours credit. Cullimore, and Hayward.

This course is designed to give the student a working knowledge of the life processes as they function in man. The properties of living matter will be studied as a basis for understanding the mechanism of the

specialized systems of the human body. Prerequisite, Zoology 11.

71. Histology.—Autumn. M., 9:30; Laboratory, M. W. F., 1:30-4:30. Three hours credit. Tanner, and Maughan, Brown.

Microscopic structure of the tissues and organs of animals. Practical training in fixing tissues, embedding, sectioning, staining, and mounting of permanent specimens.

72. General Embryology.—Autumn. Three hours credit. F., 1:30. Laboratory six hours a week. Tanner.

An introduction to the study of the development of the individual animal. The general topics which are discussed in lectures and studied in the laboratory are: the germ cells and their formation, fertilization of the egg, cleavage of the egg, the formation of the germ layers. The origin and development of the organs and organ-systems of vertebrate animals are studied. (Not given this year.)

73. Aquatic Zoology.—Autumn. Lectures and laboratory by arrangement. Three hours credit. Tanner.

A general course in the study of fresh water animals of Utah Lake. A study of aquatic habitats is made in connection with field and laboratory work, involving the collection and identification of the more significant invertebrates, the determination of life histories, the study of structural and physiological adaptations, and an analysis of the chemical, physical, and biological factors operative in each complex. A series of lectures dealing with the more fundamental principles of limnology supplement the field and laboratory work. The course is planned for prospective teachers of biology as well as those who expect to major in Zoology. The work will be conducted at the Lakeside Biological Laboratory which has been established at the mouth of Provo river and on the shores of Utah lake. A

commodious building and equipment provides facilities for the study of the many problems of this fresh water lake.

75. History of Biology.—Winter. T. Th., 10:30. Two hours credit. Tanner.

A study of the development of biological thought from the time of the earliest writers to the present.

78. Genetics.—Winter. M. W. F., 10:30. Three hours credit. Prerequisite, some laboratory course in Zoology or Botany. Hayward.

The cell as the physical basis of heredity; the germ cycle, variation, mutation, Mendelism, inheritance of acquired characteristics, pure lines, sex determination, and the general problems of descent are discussed in the light of recent experimental data.

79. Eugenics.—Spring. Three hours credit. M. W. F., 10:30. Tanner. (Not given this year.)

This course will stress such problems as, the laws of natural inheritance, population problems, environment, reform, marriage and divorce, and state aid for education. A study of the biological foundations of society will also be made. Prerequisite, some laboratory course in Zoology or Botany or Genetics.

80, 81. Seminar.—Autumn, Winter, and Spring. One hour credit each quarter. Time to be arranged. Tanner, Hayward, Maughan, and Brown.

Required of all majors in this department during their junior and senior years.

85. Fresh Water Zoology Problems.—Spring. Time and credit to be arranged. Tanner.

Special problems dealing with the plankton, mollusks, insects, fish, etc. of the lake. Problems will be assigned to individual students. Previous zoological work is a prerequisite. The work will be conducted at Lakeside Biological Laboratory.

93. Field Zoology.—Time and credit to be arranged. Tanner.

Open only to students majoring or minoring in Zoology and Entomology. Students may make extensive collections of the animal life of this state or adjoining states and then make a report on the same. The report and collection must be left with the university. This course aims to give the student training in systematic Zoology and museum work.

ENTOMOLOGY

Lower Division Courses

30. Elementary Entomology.—Autumn. T. Th. F., 1:30 to 3:30. Three hours credit. Hayward.

This course is intended to interest students in insect life. A study of the structure, development and classification of some of the more important insects will form a basis of this course.

34. Economic Entomology.—Field, Orchard and Garden Insects.—Autumn. M. W. F., 2:30 to 5:30. Three hours credit. Tanner.

A study of the principal injurious and beneficial insects of the field, orchard and garden. Will include field laboratory, and bibliographic work. Prerequisite course 30.

Upper Division Courses

61. Morphology of Insects.—Winter. Laboratory. M. T. W. Th., 1:30 to 4:30. Four hours credit. Tanner and Hayward.

It is the purpose of this course to teach the structures of insects and the importance of these structures in a systematic study of insects. A few typical insects will be thoroughly studied.

62. Insect Classification.—Spring. Afternoon laboratory periods to be arranged. Three to five hours credit. Tanner and Hayward.

Students will collect and study systematically the insect fauna of the Provo region. Prerequisite course 61.

64. Advanced Entomology.—Winter and Spring quarters. Time and credit to be arranged.

Open only to advanced students who are prepared to do systematic, morphological, or economic work.

94. Principles of Nomenclature.—Winter. M., 4:30. One hour credit. Tanner.

A lecture course dealing with the principles of nomenclature and intended to meet the needs of students from any of the biological departments.

Graduate Courses

102, 103, 104. Special Problems in Systematic Entomology.—Time and credit to be arranged.

Studies in the structure and classification of certain groups of insects as Coleoptera, Diptera, Hymenoptera etc.

105, 106. Research Work in Insect Morphology.—Time and credit to be arranged.

Special emphasis will be placed upon the morphology of the beetles. However students may choose any group for detailed study.

107, 108. Special Problems in Economic Entomology.—Time and credit to be arranged.

The student is here given an opportunity to make a more or less detailed study of some insect or group of insects of economic importance. Students are encouraged to do considerable life history work.

110. History of Entomology.—A one hour lecture

or seminar course required of all graduate students. Time and credit to be arranged.

113. Research Work in Systematic and Economic Ornithology.—Time and credit to be arranged.

117, 118, 119. Zoological Research.—Time and credit to be arranged.

This course is open to all students prepared to do graduate work in any branch of zoological science.

200. Research.—Thesis. Credit by arrangement.

This course is required of all students seeking a master's degree in this department.

Extension Division

FACULTY

LOWRY NELSON, Director

GRACE FOLLAND PAULSEN, Secretary

GEORGE H. BRIMHALL, Religious Education
LOWRY NELSON, Rural Social Economics
ALFRED OSMOND, English
CHRISTEN JENSEN, History and Political Science
ELBERT H. EASTHOND, Art
AMOS N. MERRILL, Secondary Education
EDWARD H. HOLT, Office Practice
BENJAMIN F. CUMMINGS, Languages
HARRISON V. HOYT, Business Administration
THOMAS L. MARTIN, Agronomy
HUGH M. WOODWARD, Philosophy of Education
WILLIAM J. SNOW, History
M. WILFORD POULSON, Psychology
BERTRAND HARRISON, Botany
VASCO M. TANNER, Zoology and Entomology
GERRIT DE JONG, Languages
GEORGE H. HANSEN, Geology and Geography
J. MARINUS JENSEN, English
ELMER MILLER, Economics
MILTON MARSHALL, Physics
JOSEPH SUDWEEKS, Educational Administration
CLARENCE S. BOYLE, Accounting and Business Administration
ELIZABETH CANNON, Home Economics
HARRISON R. MERRILL, English
WAYNE B. HALES, Physics
WM. H. SNELL, Mechanic Arts
EFFIE WARNICK, Home Economics
ASAEI C. LAMBERT, Secondary Education
LAVAL S. MORRIS, Horticulture

JOHN E. HAYES, Registrar

KIEFER B. SAULS, Secretary to the President, Purchasing Agent

ELSIE C. CARROLL, English

BERTHA ROBERTS, Office Practice

H. GRANT IVINS, Animal Husbandry

MRS. CHRISTEN JENSEN, English

MRS. NELLIE S. THORNTON, English

J. F. WAKEFIELD, Apiculture

Never before in the world's history were so many people attending college. But great as has been the increase in enrollment of residence students, it does not compare with the remarkable growth of what has come to be termed "Adult Education." Adults can learn as readily as younger people, if they apply themselves with equal attentiveness. This has been demonstrated scientifically in recent experiments.

Doubtless, the growth of adult education is partly due to the necessity of people learning new things. The development of science and invention has been so rapid in recent years as to literally flood the earth with strange new devices. Old occupations have been destroyed and new ones created. All people have been made aware of the interests and problems of others as a consequence. There has come an amazing demand from the general population for instruction suited to its needs.

The Extension Division brings the University departments of instruction to your door. If you would study history, literature, mathematics, or practically any other subject in the University, you can now study it under expert guidance through the Home Study Bureau.

Directed Home Study

Hundreds of students are enrolled annually in courses, the instruction in which is carried on by the correspondence method. This method has the advantage of placing the student in direct touch with the instructor and allowing him to study at home at hours suited to his convenience.

Extension Division Aims

To render service to those ninety-nine out of every hundred citizens, who, it is estimated, are unable to take advantage of the benefits of attending an educational institution, is the chief aim of the Extension Division of the Brigham Young University. To this end, correspondence courses and extension classes are offered to the public at a reasonable rate. Indeed, instruction by extension methods is more reasonable in Utah, than in the vast majority of states of the Union. Courses may be taken for credit or not.

Method of Instruction

After filing the application for enrollment and paying the fee, the student is sent the assignments of the course. He is given full instruction as to the required reading and preparation of his lesson, including questions to test his knowledge of the ground covered.

After preparing for recitation, the student does the required written work and mails it to the Extension office. This paper is criticized by the instructor, graded and returned to the student.

Each correspondence course carries credit equivalent to the corresponding courses in residence and therefore covers a definite amount of work. Most of the

courses contemplate the students preparing about five assignments for each quarter hour of credit received.

Regulations

1. No degree is offered for work done wholly in absence.

2. A student may begin at any time a course for which he is prepared, and must complete it within a year from the time he registers. He must distribute his reports with approximate evenness throughout the period of study. Each assignment is aimed to cover about a week's study in that particular subject provided the student spends about an hour a day. If he desires to send in more than two assignments a week, he should obtain permission from the instructor. Reports may be rejected if the student attempts to compress his work unduly. This is considered to be a practice which is not conducive to the most satisfactory work.

3. A student may not take correspondence work while in residence without the consent of the Dean concerned.

4. A student who does not report either by letter or lesson within a period of ninety days may thereby forfeit his right to further instruction in the course.

5. Unless otherwise stated examinations are required in all courses before credit is given. These examinations must be supervised by a responsible school official. Where it is convenient, the examination should be taken at the University.

Entrance Requirements

Registration for extension courses demands the

same entrance requirements as do courses in residence. That is, matriculation for college courses presupposes sixteen units of high school work. However, exception may be made in favor of mature students, or those who have practically completed their high school work.

Fees

The charge for correspondence courses is at the rate of \$2.00 a credit hour, except as indicated in some courses, with a minimum fee of \$5.00. A postage fee of \$1.00 is charged for each course.

Fees will not be refunded because of inability of the student to continue a course for which he had registered. Permission to change to some other course may be given, however.

Extension Classes

The faculty of the school goes out into the communities and organizes regular classes which receive very much the same instruction as do residence students in corresponding courses. These classes are designed to meet the needs of persons who are not residence students of an educational institution. The usual procedure where such a class is desired is for the group to send to the Extension Division for an instructor.

Lectures and Entertainments

Members of the faculty have addressed or entertained in the neighborhood of two hundred thousand people in Utah and surrounding states during each of the past few years. These lectures and entertainments have for the most part been free except for transportation charges. The Extension Division, however, offers a regular lyceum course consisting of high class lectures

and entertainments, for which a nominal charge is made.

Social Service

In this department there is included miscellaneous services consisting of recreation, club programs, plays and pageants, visual education, package libraries, etc.

Publications

The Extension Division publishes from time to time circulars of general or specific interest. These circulars may be on any one of a wide number of subjects. In fact, any department of the University may have the opportunity of publishing material through this bureau as far as resources will permit.

Leadership Week

The first annual Leadership Week was held in January, 1922. Since that time it has been an annual event. In January, 1930 the attendance represented 73 stakes of the Church. About twenty short courses were given.

CORRESPONDENCE COURSES

Note:

Courses marked "x" are either not given in residence or do not correspond precisely to residence courses in the same subject. All other courses parallel residence courses by the same number.

ACCOUNTING AND BUSINESS ADMINISTRATION

1. Elementary Accounting. Three hours credit. Boyle.
Fee \$10.00.

2. Elementary Accounting. Three hours credit. Boyle.
Fee \$10.00. Prerequisite 1.

3. Elementary Accounting. Three hours credit. Boyle.
Fee \$10.00. Prerequisite 2.

14x. Commercial Art. Two hours credit. Jensen. Fee
\$7.00.

30. Commercial Geography. Five hours credit. Han-
sen.

57. Retailing. (Advanced Marketitng). Three hours
credit. Boyle.

58. Retailing. Three hours credit. Boyle.

59. Advanced Marketing and Advertising. Three hours
credit. Boyle.

61. Personnel Management. Three hours credit. Boyle.

62. Personnel Management. Three hours credit. Boyle.

63. Personnel Administration. Three hours credit.
Boyle.

75. Business Statistics. Two hours credit. Hoyt.

AGRONOMY

41. Soils. Three hours credit. Martin.

- 21. Root Crops. Four hours credit. Martin.
- 22. Cereal Crops. Four hours credit. Martin.
- 23. Forage Crops. Four hours credit. Martin.

ANIMAL HUSBANDRY

- 2. History of Breeds of Live Stock. Five hours credit. Ivins.
- 8. Practical Poultry Farming. 3 hours credit. Ivins.
- 14x. Commercial Art. Two hours credit. Jensen. Fee \$7.00.
- 17x. Illustration. Two hours credit. Eastmond. Fee \$7.00.
- 47. Art Pageantry Production. Two hours credit. Eastmond.

BOTANY

- 21. General Bacteriology. Three hours credit. Martin.
- 55x. Local Flora. Three or five hours credit. Harrison.
- 95. Advanced Systematic Botany. Harrison.

DRAFTING

- 4. Engineering Drawing. Two hours credit. Snell.
- 5. Engineering Drawing. Two hours credit. Snell. Prerequisite 4.
- 6. Engineering Drawing. Two hours credit. Snell. Prerequisite 5.
- 10. Instrumental Perspective. Two hours credit. Snell. Prerequisite 4, 5, 6 or equivalent.
- 13. Architectural Drawing. Two hours credit. Snell. Prerequisite 4, 5, and 6.

14. Architectural Drawing. Two hours credit. Snell.
Prerequisite 13.

15. Architectural Drawing. Two hours credit. Snell.
Prerequisite 14.

20. Engineering Drawing. Two hours credit. Snell.
Prerequisite 4, 5, and 6.

51. Original Architectural Design. Two hours credit.
Snell.
Prerequisite 13, 14, and 15, or equivalent.

52. Original Architectural Design. Three hours credit.
Snell.
Prerequisite 13, 14, and 15, or equivalent.

53. Original Architectural Design. Three hours credit.
Snell.
Prerequisite 13, 14, and 15, or equivalent.

ECONOMICS

1. Introduction to Economics. Three hours credit.
Miller.

12. Principles of Economics. Three hours credit. Miller.
Prerequisite Economics 11.

21. Cooperative Marketing. (See Rural Social Economics 21.) Nelson.

59. Labor Problems. Three hours credit. Miller.

EDUCATION

46. Rural Education. Three hours credit. Merrill.

47. Secondary Education. Four hours credit. Merrill.

ELEMENTARY EDUCATION

5. School Organization and Administration. Three hours Credit. Lambert.

12. Elementary School Curriculum. Three hours credit. Lambert.

PHILOSOPHY OF EDUCATION

74. Rural Sociology. Three hours credit. Nelson.
(See Rural Social Economics 53.)

81. Science of Education. Four hours credit. Woodward.

86. History of Education. Three hours credit. Woodward.

ENGLISH

D. A Study of the Types of Literature. One unit. (High School.) Mrs. Carroll. Fee \$10.00.

1. Rhetoric and Composition. Three hours credit. Thornton.

2. Rhetoric and Composition..... Three hours credit. Thornton. Continuation of course 1.

3. Rhetoric and Composition. Three hours credit. Thornton. Continuation of course 2.

5. Newswriting. Four hours credit. Merrill.

16x-17x. Survey of American Literature. Four hours credit. Mrs. Jensen.

21x-22x-23x. Survey of English Literature. Six hours credit. Mrs. Jensen.

44x. History and Development of the American Novel. Four hours credit. J. M. Jensen.

50x-51x-52x. Readings in World Literature. Six hours credit. Mrs. Jensen.

53x-54x-55x. Readings in World Literature. Six hours credit. Mrs. Jensen.

57. Short Story Writing. Four hours credit. Osmond.

76x. Tennyson. Three hours credit. Mrs. Jensen.

77x. The Poetry of Robert Browning. Three hours credit. Mrs. Jensen.

78x. Continuation of 77x. Three hours credit. Mrs. Jensen.

GEOLOGY AND GEOGRAPHY

A. Economic Geography. One unit. (High School.) Hansen. Fee \$10.00.

30. Geography of Economic Products. Five hours credit. Hansen.

54x. Field Problems. Three hours credit. Hansen.

80. Human Geography. Three hours credit. Hansen.

HISTORY

1x. History of Modern Europe, 1500-1680. Three hours credit. Snow.

2x. History of Modern Europe, 1689-1815. Continuation of course 1. Three hours credit. Snow.

3x. History of Modern Europe, 1815 to Present Time. Three hours credit. Snow.

18x. History of Civilization. Four hours credit. Snow.

20-21-22. American History. Nine hours credit. Jensen.

HOME ECONOMICS

10x. Elementary Nutrition. Two hours credit. Cannon.

82x. Child Development. Two hours credit. Warnick.

HORTICULTURE

1. Pomology. Four hours credit. Morris.

- 3. Olericulture. Three hours credit. Morris.
- 5. Home Landscaping and Plant Materials. Three hours credit. Morris.
- 6. Small Fruits. Three hours credit. Morris.

MATHEMATICS

- a. High School Algebra. One unit. Marshall. Fee \$10.00. (High School.)
- b. Plane Geometry. One unit. Marshall. Fee \$10.00. (High School.)
- c. Second Course in Algebra. One-half unit. Marshall. (High School.)
- d. Solid Geometry. One-half unit. Marshall. (High School.)
- 11x. Plane and Spherical Trigonometry. Five hours credit. Marshall.
- 12x. College Algebra. Five hours credit. Marshall.

GERMAN

- 13. Directed German Reading. Three hours credit. Prerequisite, ten hours of German.
- 57. Directed German Reading. Three hours credit. Prerequisite, fifteen hours of German.
- 67. German Composition. Three hours credit. Prerequisite, eighteen hours of German.

FRENCH

- 13. Directed French Reading. Three hours credit. Prerequisite, ten hours of French.
- 57. Directed French Reading. Three hours credit. Prerequisite, fifteen hours of French.
- 67. French Composition. Three hours credit. Prerequisite, eighteen hours of French.

SPANISH

13. Directed Spanish Reading. Three hours credit. Prerequisite, ten hours of Spanish.

57. Directed Spanish Reading. Three hours credit. Prerequisite, fifteen hours of Spanish.

67. Spanish Composition. Three hours credit. Prerequisite, eighteen hours of Spanish.

OFFICE PRACTICE

11-12. Gregg Shorthand. Eight hours credit. Mrs. Roberts.

PHYSICS

11x. Meteorology. Five hours credit. Hales.

PSYCHOLOGY

11. General Psychology. Five hours credit. Poulson.

21. Elementary Educational Psychology. Four hours credit. Poulson.

72. Educational Psychology. Four hours credit. Poulson. Prerequisite, three hours of elementary psychology.

RELIGIOUS EDUCATION

1x. Doctrine and Discourse. Two hours credit. Brimhall and assistant.

2x. Doctrine and Discourse. Continuation of 1. Two hours credit. Brimhall.

3x. Church History. Two hours credit. Brimhall and assistant.

14. Genealogy. Two hours credit. Sudweeks.

RURAL SOCIAL ECONOMICS

53. Rural Sociology. Three hours credit. Nelson.

21. Cooperative Marketing. Three hours credit. Nelson.

46. Rural Education. (See Education 46.)

SOCIOLOGY

11-12. Elementary Principles of Sociology. Six hours credit. Nelson.

53. Rural Sociology. Three hours credit. Nelson.
(See Rural Social Economics.)

ZOOLOGY AND ENTOMOLOGY

20. Health Education. Three hours credit. Tanner.

32x. Apiculture. Three hours credit. Wakefield.

93. Field Zoology. Credit to be arranged. Tanner.

Training Schools

AMOS N. MERRILL, Acting Dean of College of Education

EDGAR M. JENSEN, Director, Training Schools

GENERAL SUPERVISORS:

A. N. MERRILL, Secondary Training.

M. J. OLLORTON, Higher Grades

HERMESE PETERSON, Intermediate Grades

EMMA BROWN, Primary Grades

SECONDARY SCHOOL FACULTY

EDGAR M. JENSEN, Principal

C. LAVOIR JENSEN, Junior H. S. Mathematics

WM. F. HANSON, Music

W. ELMO COFFMAN, Mathematics and Science.

HUGH W. PETERSON, Science

STELLA P. RICH, English

MARGARET SWENSON, Home Economics

GLADYS D. BLACK, English and Latin

BILLIE HOLLINGSHEAD, Social Science

FRED DIXON, Physical Education

EDNA SNOW, Biology

ELEMENTARY SCHOOL FACULTY

HERMESE PETERSON, Principal

MAY C. HAMMOND

BARBARA MAUGHAN

GLADYS KOTTER

GEORGIA MAESER

HAZEL CLYDE

JENNIE CAMPBELL

THELMA LUDLOW

ORGANIZATION AND PURPOSE

The Training Schools are organized on a kindergarten 6-3-3 basis; viz: a kindergarten, an elementary division, a junior and a senior high school.

Students enrolled in the training schools have all the advantages of the University plant such as the use of the libraries, gymnasiums, laboratories, shops, athletic fields, auditorium, etc. These enlarged opportunities, with the advantages of expert teachers, make the training schools especially attractive and advantageous to students of elementary and high school age.

Provisions are made for promotions from grade to grade and from one division to another so that pupils may enter either the kindergarten or first grade and remain in continuous attendance until they are graduated from one of the colleges of the University. The educational welfare of the students is safeguarded by an enriched curriculum and in addition, provisions are made for moral and religious training every year the student is in attendance.

Pupils completing the first six grades are regularly promoted to the Junior High School. Here departmentalization begins permitting of variation in courses and a wide range of contact with expert instructors. Entrance to the Senior High School is based upon the completion of the courses outlined for the Junior High School. A maximum of four units plus one year of Theology credit will be allowed for ninth year work to count toward filling group requirements, and toward graduation from the Senior High School for those pupils coming from schools which do not maintain a Junior High School.

Students will be graduated from the Senior High School upon completion of twelve units of work in the Senior High School. These twelve units of work must be secured during three years attendance in Senior

High School and must include all the constants prescribed for each year and the sequence of courses prescribed in one of the four curricula. Students graduating from the "General Course," which alone meets definitely the college entrance requirements, must present the following group requirements (1) English, 2 units, (2) a Principal Group of 3 or more units, (3) a Secondary Group of 2 or more units.

Students are required to take the regular courses in physical education during residence at this school. Students are released from this requirement only upon statement of physical disability signed by a competent physician. Satisfactory grades in physical education courses are required for graduation; a maximum of one-half unit of credit may be counted toward graduation for these courses.

All students are required to register for Theology. Students who fail continually to do satisfactory work in their courses in any department will not be permitted to remain in classes.

HIGH SCHOOL ACTIVITIES

Under the direction of the regular teachers and the faculty committee, a full program of athletic and social affairs is provided for the junior and senior high school students.

The senior high school group have regular social gatherings and recreational activities under faculty supervision and counsel. They have competitive activities in athletics, debating and public speaking, and essay writing. Each year the school produces a play or a musical program. The school is a member of the State High School Debating Association. In addition the Utah High School Athletic Association. In addition to these opportunities for extra-curricular activity a regular High School Student Body organization is maintained with the various activities that naturally

are sponsored by such organizations. The high school students have also the advantage of participation in the regular activities of the University student body life.

THE CURRICULA

Four curricula, or four groups of studies, are provided. As early as the ninth year and not later than the tenth year, pupils with the counsel of the parents and teachers, should make a choice of the group of studies (the curriculum) which they propose to pursue during the remaining years of high school study. This choice should be made with the definite intent of staying in that curriculum until graduation. Any marked deviation from recommended sequences in any given curriculum without very valid reasons will not be permitted. Transfer from one curriculum to another will delay graduation.

CREDIT

Those classes which require outside preparation which meet five days each week for full fifty minutes, and which continue for the full school year of 34 or 36 weeks of actual class work carry one unit of credit. In some cases students may transfer nine hours college credit for one unit of high school credit. The half-unit courses meet two or three days each week with preparation, or meet daily with no outside preparation, and run throughout the year. There are no "quarters" in high school program as there are in the University. There are no courses which end or begin at the mid-year.

Students who register late or who discontinue before the end of the school year can receive no higher grade than "Incomplete" until the required work of the course is completed. An incomplete grade carries no credit. Such a grade may be removed within one year and credit received.

SECONDARY TRAINING SCHOOL CURRICULUM

Junior High School

7th Grade

Subjects	Periods
English I	5
Geography	5
Mathematics I	5
Reading	2
Music	2
Sewing	2
Manual Training	2
Religion Class	2
Physical Education & Recreation	3

8th Grade

Subjects	Periods
English II	5
History	5
Mathematics II	5
General Science	3
Reading	2
Music	2
Cooking	2
Shop Work	2
Religion Class	2
Physical Education & Recreation	3

9th Grade

Subjects	Periods
English	5
Community Civics	3
Biology	5
Theology	2
Physical Education	
Electives	Periods
French B	5
Commercial Arithmetic	5
Plain Sewing	

Elementary Drafting	5
Theory of Music	3
Elementary Typing*	5
Algebra	5
Foods or Woodwork	2
Music	2

*(Limited Registration. No credit until completion of second year typing.)

SENIOR HIGH SCHOOL

Constants (Required subjects in all Curricula...Students must register for these subjects.)

10th Grade	11th Grade	12th Grade
English B. 5 periods	English C.— 5 periods	English D.—* 5 periods
Theology B.— 2 periods	Theology C.— 2 periods	Sociology & Economics
Physical Education	Physical Education	5 periods Theology D.— 5 periods

*Elective but highly recommended.

Curriculum Group Requirements

According to the curriculum or group of studies chosen to be followed by the student, the following are required subjects for graduation:

(1)

General Course

(Leads to College Entrance)

All Constants for the particular year 10th, 11th, or 12th.

Algebra—unless taken in 9th Grade, or
Plane Geometry

(3)

Agriculture and Mechanics

All Constants for the particular year

Agriculture

Shopwork

Physics or Chemistry

(Preferably both)

Mechanical Drawing

American History or
European History
Physics or Chemistry

(2)

Home-Making

All Constants for the
particular year.

Foods and Cooking

Plain Sewing

Dressmaking

Home Making

Chemistry

Art

(4)

Business

All Constants for the parti-
cular year

Accounting A

Accounting B

Shorthand

Typewriting

Commercial Arithmetic—if
not taken in the 9th year.

Note: Curricula 2, 3, 4, will satisfy all requirements for graduation from the Senior High School. They may not meet College Entrance requirements; curriculum 1 meets College Entrance requirements.

Electives: Courses required in any curriculum group are open as electives to all other Senior High School students who have already met the Constants requirements.

A recommended sequence of subjects in the general course, or Curriculum (1), is as follows:

9th Year	Periods	10th Year	Periods
English A	5	English B	5
Algebra	5	Geom. or Algebra	5
Biology	5	Theology B	2
Theology A	2	Physical Ed.	?
Physical Ed.		History	5
		Elective	2-5
11th Year	Periods	12th Year	Periods
English C	5	English D	5
Theology C	2	Theology D	2
Physical Ed.	3	Prob. Democ. or Civics	5
Physics or Geom.	5	Physics or Chem.	5
Am. or Europ. Hist.	5	Physical Ed.	3
Elective	2-5	Elective	3-5

SENIOR HIGH SCHOOL COURSES

Subject	Days	Classification	Year Taken	Credit
Grammar				
and Liter.	5	Constant	10th	1 unit
Composition Liter.				
and Grammar	5	Constant	11th	1 unit
Literature	5	Constant	12th	1 unit
Dram. Art	5	Elective	10 to 12	1 unit
Pub. 'Speak.	3	Elective	10 to 12	$\frac{1}{2}$ unit
French A	5	Elective	9 to 12	1 unit
Latin A	5	Elective	10 to 12	1 unit
European History	5	Gen. Course	10 to 11	1 unit
Am. History	5	Gen. Course	10 to 11	1 unit
Problems of				
Democracy	5	Constant	12th	1 unit
Algebra	5	Gen. Course	9 to 12	1 unit
Geometry	5	Gen. Course	10 to 11	1 unit
Physics	5	Several	10 to 12	1 unit
Chemistry	5	Several	12	1 unit
Geography	5	Gen. Course	10 to 12	1 unit
Physiology and				
Hygiene	3	Elective	10th	$\frac{1}{2}$ unit
Foods and				
Cooking	5	Homemaking	10 to 12	1 unit
Homemaking	2	Homemaking	11 to 12	$\frac{1}{2}$ unit
Plain Sewing	2	Homemaking	9 to 12	$\frac{1}{2}$ unit
Dressmaking	5	Homemaking	10 to 12	$\frac{1}{2}$ unit
Theory of Music	3	Elective	9 to 12	$\frac{1}{2}$ unit
Chorus	4	Elective	10 to 12	$\frac{1}{4}$ unit
Orchestra	5	Elective	10 to 12	$\frac{1}{2}$ unit
Art	2	Elective	10 to 12	$\frac{1}{2}$ unit
El. Accounting	5	Business	10 to 12	1 unit
Adv. Accounting	5	Business	11 to 12	1 unit
El. Typewriting	5	Business	9 to 12*	1 unit
Adv. Typewriting	5	Business	10 to 12	1 unit
Shorthand	5	Business	11 to 12	1 unit
Theology	2	Constant	10	$\frac{1}{2}$ unit

*Credit of 1 unit given at end of second year's work only.

TRAINING SCHOOLS

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Theology	2	Constant	11	$\frac{1}{2}$ unit
Theology	2	Constant	12	$\frac{1}{2}$ unit
Physical Ed.				
Girls	2	Constant	9 to 12	
Physical Ed.				
Boys	2	Constant	9 to 12	
Woodwork A B.	5	Agr. & Mech.	9 to 12	$\frac{1}{2}$ unit
Drafting A, B.	5	Agr. & Mech.	10 to 12	$\frac{1}{2}$ unit
Auto Mechanics	5	Agr. & Mech.	9 to 12	$\frac{1}{2}$ unit

SUMMER SESSION

It is the policy of the Brigham Young University to make the summer session one of the regular quarters of the schol year. A large corps of teachers, supplemented by well known educators from other institutions, offers a wide range of subjects from each of the department of the school.

The summer session is divided into two terms so that students may be in attendance only part of the summer, if they desire, without hindrance to the completion of their courses. The first term is held on the Provo Campus, the second on the Alpine Campus to the east of Mt. Timpanogos. This latter campus is located about fourteen miles from Provo at an elevation of nearly 7000 feet. Splendid roads lead to it, making it easily accessible to anyone wishing to drive there. Although a wide range of subject matter is taught on this campus it affords exceptionally fine conditions for the study of art and the natural sciences.

The summer session offers the opportunity to persons who are employed during the usual nine months of schooling to pursue graduate work, and to regular students the opportunity to complete requirements for graduation in a shorter time than four years.

UNIVERSITY FEES

College and Graduate Students:

Registration fee for full year if paid at beginning of Autumn Quarter -----\$70.00

Registration fee for less than the full year, \$25.00 the quarter.

Withdrawal deposit	\$1.00
Student Activity Fee, each quarter	\$5.00
or \$12.50 for the year if paid in advance.	

A gymnasium service fee of \$1.00 each quarter will be charged each regular students registered in the institution. Payment of this fee will entitle the student to towel and soap service provided by the Department of Physical Education whenever the student has occasion to use the physical training and athletic facilities provided by the institution.

Secondary Training School:

Senior High School—10th, 11th, 12th grades, the year	\$30.00
Activity Fee	\$7.50
Junior High School—7th, 8th, 9th grades ..	\$15.00
Activity Fee	\$2.50
Elementary Training School—1st to 6th grades, the year.	\$10.00

Special Fees:

Late Registration—after first week of each quarter	\$2.00
Special Students—eight credit hours or less, for each hour.	\$2.50
Special Examinations, for each hour	\$2.50
(Provided the maximum fee in any one subject shall not exceed \$20.00.)	
Graduation,	Degree \$10.00 Diploma \$5.00

Special fees are charged for private instruction in Vocal and Instrumental Music, Dramatic Art, and some special courses in Art.

No laboratory fees are charged. Breakage deposits, however, are required in the departments of Chemistry and Mechanic Arts; and a special fee of \$5.00 is charged those who elect Secondary or Elementary Training.

Graduates 1930-31

MASTER DEGREES:

Master of Arts

- ALLEN LORNA BAGLEY** Provo
 A. B. Degree, Brigham Young University, 1931
 Major: History.
 Title of Thesis—A Study of the Alleged Mormon Rebellion of 1857-1858.
- DASTRUP, ILA** Richfield
 A. B. Degree, Brigham Young University, 1923.
 Major: History.
 Title of Thesis—Mormon Colonization: A Type in the Westward Movement.
- DENNIS, ELDON** Provo
 A. B. Degree, Brigham Young University, 1929.
 Major: Geology.
 Title of Thesis—A Preliminary Survey of Utah Non-Metallic Minerals, Exclusive of Mineral Fuels, with special Reference to Their Occurrence and Markets for Them.
- JORGENSEN, MYRON N.** Salt Lake City
 A. B. Degree, Brigham Young University, 1928.
 Major: Chemistry.
 Title of Thesis—The Determination of the pH of Some Commercial Soaps and a Study of the Properties of Soap Solutions.
- MADSEN, FRANKLIN** Provo
 A. B. Degree, Brigham Young University, 1925.
 Major: Philosophy of Education.
 Title of Thesis—A Study, Compilation and Analysis of the Literature Dealing with Jazz, with an Accompanying Source Book in the Information of Jazz—Its Origin, Elements, Uses, and Effects.
- MORLEY, ALONZO J.** Provo
 A. B. Degree, Brigham Young University, 1925.
 Major: Educational Administration.
 Title of Thesis—Amount of the Teaching Load Devoted to Supervision of Extra-Curricular Activities in Utah Senior High Schools.

- ROWE, GLEN A. Castle Dale
 A. B. Degree, Brigham Young University, 1926.
 Major—Educational Administration.
 Title of Thesis—A Test of the Applicability of the
 Formula Developed by Dr. Roe L. Johns for De-
 termining a Minimum Program of State Aid
 for School Transportation in Pennsylvania When
 Applied to School Transportation Conditions in
 State of Utah.
- STANTON, WILLIAM D. Price
 A. B. Degree, Brigham Young University, 1930.
 Major: Botany.
 Title of Thesis—A Preliminary Report of the Flora of
 the Henry Mountains.
- WEBB, INA T., Provo
 A. B. Degree, Brigham Young University, 1930.
 Major: Music.
 Title of Thesis—Congregational Singing in the
 Church of Jesus Christ of Latter-day Saints.

Master of Science

- HARRISON, BERTRAND F. Springville
 B. S. Degree, Brigham Young University, 1930.
 Major: Botany.
 Title of Thesis—The Rise and Development of the
 Metagametophyte of *Fritillaria Pudica* and *Frit-*
illaria Atropurpurea.
- HAYWARD, C. LYNN Paris, Idaho
 B. S. Degree, Brigham Young University, 1927.
 Major: Zoology.
 Title of Thesis—A Morphological and Systematical
 Study of Utah Polistes.
- HUNTER, MILTON R. Holden
 B. S. Degree, Brigham Young University, 1929.
 Major: Religious Education.
 Title of Thesis—The Mystery Religions and Christian
 Beliefs.
- JENSEN, CHRISTIAN J. Ogden
 A. B. Degree, Brigham Young University, 1916.
 Major: Education.
 Title of Thesis—A Study of How the Church of Jesus
 Christ of Latter-day Saints Attempted to Meet
 the Educational Needs of Its Members for the
 Period of Time A. D. 1830-1900.

- REID, H. LORENZO St. George
 A. B. Degree, Brigham Young University, 1914.
 Major: History.
 Title of Thesis—Early History of Utah's Dixie.
- RICHARDS, WILFORD W. Garland
 B. S. Degree, Brigham Young University, 1924.
 Major: Educational Administration.
 Title of Thesis—An Investigation of School Transportation in Boxelder County, Utah, 1930-1931.
- ROBERTSON, J. WESLEY Springville
 B. S. Degree, Brigham Young University, 1928.
 Major: Educational Administration.
 Title of Thesis—Utilization of the Rooms and Seats in Utah High Schools.
- ROSS, SOREN Ephraim
 B. S. Degree, Brigham Young University, 1927.
 Major: Chemistry.
 Title of Thesis—Some Factors which Affect the Accuracy of the Gutzeit Test for Arsenic.
- SNOW, EDNA St. George
 B. S. Degree, Brigham Young University, 1924.
 Major: Botany.
 Title of Thesis—A Preliminary Study of the Algae of Utah Lake.

BACHELOR DEGREES:

COLLEGE OF APPLIED SCIENCE

A. B. Degree

- Ogden, Niels A. Delta

B. S. Degrees

- Anderson, Nina Oak City
 Baird, May Heber
 Booth, Virginia Provo
 Bryner, Evelyn M. Helper
 Coombs, Esther Fairview
 Harris, Belle Payson
 Hunt, Ina P. Ogden

Hutchings, Edward	Springville
Johnson, Mark Wm.	Mapleton
Knell, Virginia	Newcastle
Lyon, Mary	Overton, Nevada
Merrill, Lydia S.	Ogden
Nelson, Murcy E.	Montpelier, Idaho
Oaks, Rozena Nelson	Montpelier, Idaho
Price, Lorraine	Beaver
Rasmussen, E. Lenore	Provo
Reed, Nellie Smith	Ogden
Scorup, Caroline	Provo
Startup, Naomi	Provo
Startup, Norell	Provo
Stewart, Gwendolyn	Ogden
Tolhurst, Delsa	Payson
Tucker, Laura	Provo
Walker, Charles B.	American Fork
Walser, J. Floyd	Colonia Juarez, Chih., Mexico
Wright, Emily	Pleasant Grove

COLLEGE OF ARTS AND SCIENCES

A. B. Degrees

Allen, Lorna B.	Provo
Bird, Margaret A.	Springville
Braithwaite, Alta Mae	Arco, Idaho
Clark, John L.	American Fork
Colvin, Harold A.	Provo
Fechser, John C.	Provo
Harris, Franklin S., Jr.	Provo
Hasler, W. Thalman	Provo
Hatton, S. Ross	Provo
Hickman, Florence	Provo
Huish, H. Paul	Provo
Johanson, Alva J.	Rexburg, Idaho
Jones, E. Reed	Spanish Fork
Jones, G. Ray	Spanish Fork
Kelly, Eleanor	St. Anthony, Idaho
Lewis, Bert A.	Provo
Mangelson, Helen L.	Nepht
McGuire, William H.	Etna, Calif.
Madsen, Anne	Logan
Miller, Kenneth R.	American Fork
Nelson, Edna V.	Pleasant Grove
Polly, Orville L.	Provo
Rowe, Helen A.	Provo
Smith, Ernest P.	Pleasant Grove

Smith, Julina	Salt Lake City
Vacher, Clarence	Provo
Van Wagenen, Loree	Provo
Wangsgard, Alton	Ogden
Welker, Wright O.	Montpelier, Idaho

B. S. Degrees

Anderson, Clara	Magna
Bacon, Leonard	Georgetown, Idaho
Balle, J. Alton	Glenwood
Ballif, Mark S.	Ogden
Banks, Merrill	Lehi
Brockbank, Mary L.	Spanish Fork
Frei, Vivian J.	Santa Clara
Gibby, Adrain R.	Roy, Utah
Green, Edward Rich	Ogden
Groesbeck, Earl S.	Springville
Hillman, Guy S.	Pleasant Grove
Hunter, Vaughn B.	Holden
Jackson, Laurence D.	Fillmore
Jeppson, Lee R.	Brigham
Jessen, Vilda	Richfield
Johns, Floyd	Delta
Johnson, Ben B.	Mesa, Arizona
Lee, Arthur H.	Monroe
Leavitt, Laurel E.	Bunkerville, Nev.
Maughan, Lucile	Lava Hot Springs, Idaho
McKell, Charles R.	Spanish Fork
Millar, Harvey C.	Pleasant Grove
Monson, Weldon P.	Salt Lake City
Parry, Thomas H.	Manti
Payne, Edward W.	Provo
Raile, Theodore	Provo
Randall, Lorene	Ogden
Rich Edith	Paris, Idaho
Robbins, Blanche	Moreland, Idaho
Robinson, Willis A.	Pioche, Nev.
Shelley, D. Moroni	American Fork
Snow, Elizabeth	Pine Valley
Sutherland, Albert A.	Provo
Tanner, George	Provo
Taylor, Lynn O.	Pima, Ariz.
Thorn, Paul A.	Springville
Tyler, Austin	Thatcher, Ariz.
Wangsgard, Keith	Ogden
Welker, Maureen E.	Paris, Idaho
Whitaker, Susa Paxton	Provo

Whiting, Lamar	Provo
Woolston, James T.	Lehi

COLLEGE OF COMMERCE

A. B. Degrees

Aagard, Joy	Provo
Cazier, Jefferson B.	Morgan
Jones, Dix M.	Springville
Moore, Fred M.	Provo

B. S. Degrees

Ashby, Rodney A.	Leamington
Barton, Edgar B.	Provo
Bate, Fern	Springville
Bingham, Norman B.	Ogden
Boswell, J. Wallace	Nephi
Broadbent, Margaret	Heber
Brough, Ivan	Morgan
Creer, Norman B.	Provo
Crowther, R. Eldon	Provo
Cullimore, James A.	Pleasant Grove
Dimick, Georgia R.	Nampa, Idaho
Evans, Wm. Sterling	Spanish Fork
Finch, James J.	Spanish Fork
Hansen, Fred W.	Provo
Hicks, Leland S.	Safford, Ariz.
Holt, Paul M.	Provo
Iverson, Myrtle	Provo
Jackson, A. LaVell	Fredonia, Ariz.
Johnson, Jennie	Vernal
Jolley, B. Manning	Provo
Kartchner, Alma H.	Provo
McDonald, A. Melvin	Heber
Menlove, Walden S.	Provo
Miner, Melvin	Provo
Mitchell, Ruth	Provo
Olson, Max D.	Provo
Phillips, Reed A.	Provo
Prothero, Walter J.	Provo
Randall, LeRoy D.	Ogden
Sowards, Anthony	Provo
Warnick, Paul E.	Provo
Wilson, Clarence G.	Nephi

COLLEGE OF EDUCATION

A. B. Degrees

Bjerregaard, Eliza M.	Provo
McArthur, Perry L.	Nephi
Staples, Anna Laura	Elsinore
Washburn, Donald E.	Provo

B. S. Degrees

Anderson, Floyd T.	Idaho Falls, Idaho
Ashby, Lucretia	American Fork
Brinley, Eldon D.	Pleasant Grove
Chipman, Eileen R.	American Fork
Corbett, George L.	Provo
Hodapp, Minnie I.	Delta
Hubbard, Mary V.	Grace, Idaho
Jensen, Myrtle R.	Afton, Wyoming
Larsen, Vernon F.	Mt. Pleasant
Lund, Lee W.	Manti
Martin, Zola	Provo
Mower, John F.	Provo
Moore, Vernon S.	Payson
Nelson, Mabel M.	American Fork
Nielson, Dean Elroy	Tooele
Rich, Naomi	Paris, Idaho
Watts, Orvil A.	Provo
Williams, Nephi L.	Castle Dale
Williams, Oran A.	Thatcher, Ariz.
Worthen, Paul S.	St. George
Wright, Elva	Nephi

COLLEGE OF FINE ARTS

A. B. Degrees

Anderson, LeGrande	Provo
Agren, Bertha C.	Ogden
Barton, Bernice	Manti
Bayles, Adelia	Blanding
Boyle, Willma	Provo
Cook, Josinette	Provo
Daniels, Walter	Payson
Frandsen, Florence L.	Springville
Gines, Reta	Roosevelt

Goold, LaRue	Monroe
Jackson, Audrey	Provo
Johnson, Clair	Springville
Jones, Alice	Provo
LeRoy, Mary	Springville
Morgan, E. Genevieve	Payson
Paxman, Elaine	Provo
Petty, Wanda	Nephi
Weight, Ormon R.	Springville

B. S. Degrees

Anderson, Euray F.	Ephraim
Coffman, Glenn W.	Springville
Davis, Mildred	Provo
Doty, Benj. M.	Provo
Johnson, William H.	Morgan
Kartchner, Veda F.	Provo
Robinson, Iris	Provo
Rutherford, Clifford	Salt Lake City
Salisbury, Dona	Springville
Seamount, Naomi	Provo
Sorensen, Clayton W.	Mt. Pleasant

NORMAL DIPLOMA

Adamson, Dorothy	American Fork
Anderson, Mabel	Emery
Bates, Alta	Richfield
Blake, Fern	Hinckley
Carlise, Lucile	Holladay
Carter, Lillian	Spanish Fork
Christensen, Melda	Hinckley
Christensen, Muriel	Spanish Fork
Clayson, Adelaide	Spanish Fork
Cornaby, Ethel	Spanish Fork
Cox, Velma	Ferron
Crandall, Isabell	Peoa
Decker, Bessie	Mancos, Colo.
Dickson, E. Cathern	Cowley, Wyo.
Dixon, VaLera	Provo
Dudley, Pearl	Vernal
Edwards, Nina	Charleston
Eggertsen, Virginia	Springville
Farrer, Chloe	Beaver
Frost, Margaret	Spanish Fork
Gammon, Grace	Provo

George, LaRue	Kanosh
Grey, Crystal	Monroe
Hadley, Margaret	Springville
Hales, Anges V.	Spanish Fork
Hall, Grace	Vernal
Hamblin, Marcee Berry	Hilo, Hawaii
Hasler, Lucille	Midway
Holt, Ida	Midvale
Hone, Melva	Spanish Fork
Hooks, Gladys	Provo
Hortin, Maurine	Oakley
Huber, Matilda	Midway
Isakson, Alice	Palo Alto, Calif.
Jackson, Norma E.	Provo
Jensen, Hazel	Gunnison
Johnson, Lora	Moab
Johnson, Mabel E.	Provo
Johnson, Ruth A.	Provo
Jones, Andrew J.	Gilmer, Texas
Jones, Blanche B.	Spanish, Fork
Jones, Blanche M.	Spanish Fork
Jones Doratha	Provo
Kimball, Veda	Kanosh
Kinghorn, Twila	Idaho Falls, Idaho
McPhie, Hazel	Provo
Markham, Ina	Spanish Fork
Memmott, Orion	Scipio
Miller, Florence	Provo
Moffett, Helen	American Fork
Myrup, Alice A.	Bountiful
Nelson, Clifford	Joseph
Nelson, Thelma J.	Springville
Nielsen, Earl L.	Provo
Nielson, Lorna	Oak City
Nielson, Wendell L.	Springville
Olsen, Jamie	Ovid, Idaho
Osterloh, Leona H.	Lehi
Pace, Mae	Price
Peay, Ruth L.	Pleasant Grove
Penrod, Lois	Provo
Peterson, Emma	Springville
Preston, Violet	American Fork
Probst, Sylvia	Midway
Pulsipher, Melba	Provo
Redd, Berniece	Blanding, Idaho
Reid, F Horace	Orangeville
Redmond, Mary Lou	Roosevelt
Rich, Glenna	Morgan

Richardson, Estella	Vernal
Robinson, Orpha	American Fork
Robison, Nella	Hinckley
Shields, Lona B.	Fillmore
Smith, Avera M.	R. F. D., Provo
Smith, Ruth E.	Pleasant Grove
Snow, Wanda M.	Wellington
Sorenson, Grace	Ovid, Idaho
Sorenson, Virgie	Koosharem
Stevens, Esther	Randlett
Stephens, Ruth	Montpelier, Idaho
Swapp, Farris	Provo
Taylor, Alice N.	Salt Lake City
Thiriot, Joseph E.	Hiko, Nev.
Towers, Esther V.	Eureka
Utle, Marguerite L.	Fillmore
Viertel, Melba	Payson
Walker, Thelma	Pleasant Grove
Waid, Edrie	Provo
Weight, Virginia	Provo
West, Leona	Spanish Fork
Wilmott, Alzada	Springville
Wilson, Belva	Midway
Wilson, Mabel G.	Nephi

Enrollment of Students

1930-1931

In the following list "a" stands for arts and sciences; "ap" for applied science; "c" for commerce; "e" for education; "fa" for fine arts; "s" for summer school; "G" for Graduate "S" for Senior; "J" for Junior; "So" for Sophomore; "F" for Freshman; "Un" for Unmatriculated; and "Sp" for special.

Aagard, Burnell, c-J,	Provo	Anderson, Archibald H., ss	
Aagard, James C., c-S, .....		..... Mt. Pleasant	
.....	Fountain Green	Anderson, Arvilla, ss	Escalante
Aagard, Joy, c-S	Provo	Anderson, Christian, a-F ..	Oak City
Aagard, LaPrele, a-J	Provo	Anderson, Clara, a-S	Magna
Abbott, Ernest, c-So	Provo	Anderson, Clarence, e-F	Levan
Abbott, Mrs. Emma C., ss		Anderson, Dean A., c-So	Provo
.....	Mesquite Nevada	Anderson, DuAne, a-F ...	Gunnison
Acord, Golda, ss	Spring City	Anderson, Elbert H., G	Oak City
Adams, Daniel S., ss	Grantsville	Anderson, Elliott, c-So	Manti
Adams, Delilah B., Sp	Provo	Anderson, Elva, Sp	Provo
Adams, Raymond, a-F ...	Am. Fork	Anderson, Euray F., fa-S ..	Ephraim
Adamson, Dorothy, e-So..	Am. Fork	Anderson, Eva, ss ..	Pleasant Grove
Agren, Bertha C., fa-S	Ogden	Anderson, Floyd T., Sp-ss	Idaho Falls
Alder, Ethel, ap-So	Provo	Anderson, Hortense, Sp	Provo
Allan, Blaine W., a-F	Salem	Anderson, Jay J., a-So ..	Springville
Allan, Marie, fa—	Springville	Anderson, Kenneth, ss	Ephraim
Allan, Verna B., a-F ..	Springville	Anderson, M. Kermit	Junction
Allen, Alice R., a-J-ss	Provo	Anderson, Lawrence, a-J	Manti
Allen, Joseph K., ss	Provo	Anderson, LeGrande, fa-S	Provo
Allen, Lorna B., G-ss	Provo	Anderson, Leland E., ss	Manti
Allen, Clinton, a-F	Goshen	Anderson, Leo, ap-F	Lehi
Allen, Melba K., ss	Goshen	Anderson, Loren A., ss ..	Sp. Fork
Allen, Ruth, a-So	Provo	Anderson, Mabel, e-So	Emery
Alleman, Helen, ap-J ..	Springville	Anderson, Maud, ap—	Manti
Alleman, Rar S., a-So ..	Springville	Anderson, Maxine, fa-So	
Allred, David H., ap-F .....		.....	Palo Alto, Calif.
.....	Raymond, Alberta, Canada	Anderson, Merle, ap-So	Provo
Allred, Deon, e— ..	Fountain Green	Anderson, Nina, ap-S	Oak City
Allred, Elwood B., ss	Escalante	Anderson, Owen B., ss	Bountiful
Allred, N. Grandon, a-So ...	Provo	Anderson, Reese H., a-J .	Springville
Amaru, WiPere, a-F-as		Anderson, Robert N., G-ss	Provo
.....	Tolaga Bay, New Zealand	Anderson, Rulon D., a-F ..	Oak City
Anderson, Afton, a-F	Magna	Anderson, Victor C., ss	Provo
Anderson, Andrew, ss	Lehi	Anderson, Vilda C., Sp .	Firth, Idaho
		Andreasen, Juel L., a-So	Provo, R.D.

Andrew, Leo, a-F . LaGrande, Oregon
 Andrews, Blanche, e-So Nephi
 Andrus, Joseph, a-So Marion
 Armstrong, Harold, a-So Ogden
 Armstrong, Roger, c-J Ephraim
 Ash, L. Owen, a-F . Pleasant Grove
 Ashby, George, a-F Leamington
 Ashby, Lucretia, Sp-ss .. Am. Fork
 Ashby, Mary, fa-J Am. Fork
 Ashby, R. Morrell, a-F .. Am. Fork
 Ashby, Rodney A., c-S-ss Leamington
 Ashcraft, LaVon, e-F .. Springville
 Ashton, Anna S., fa-S-ss Provo
 Ashton, Clarence D., G Provo
 Ashton, Lollie P., ... Salt Lake City
 Ashton, Ruth, e-F Provo
 Ashworth, Elizabeth, c-So Provo
 Astle, Ralph, c-F .. Grover, Wyoming
 Averett, Fay, e-F Springville
 Aycock, Edward, c-So Vernal
 Aycock, Zella, e-F Vernal

Bacon, Leonard, Sp-ss

..... Georgetown, Idaho

Badger, Beth, c-So .. Salt Lake City

Bagley, J. Carroll, ap-So Provo

Bailey, Harold, c-So Provo

Baird, George, ap-F Heber

Baird, May, ap-S Heber

Baker, Carlile, ap-F Bicknell

Baker, Ruth, e-J Boulder

Baker, Shirley, apJ Beaver

Ball, Edna Mae, ss

..... Springfield, Illinois

Ball, Wilburn N., a-F Lehi

Ball, Uarda, ap-F . Idaho Falls, Idaho

Balle, J. Alton, a-S Glenwood

Balle, H. Reed, e-F Glenwood

Ballard, Richard H., a-F Ogden

Ballif, Carma, G Preston, Idaho

Ballif, Eva, a-So Preston, Idaho

Ballif, Mark S., a-S Ogden

Banks, Merrill R., a-S Lehi

Barnett, Shirley, c-F Payson

Barker, Ellen, a-J Ogden

Barracough, Don, a-So Provo

Barton, Bernice, fa-S Manti

Barton, Edgar, c-S Provo

Barton, Harold, c-J Blanding

Basinger, Walter, fa-J . Missler, Kan.

Bassett, June, e-F Delta

Bate, Fern, C-S Springville

Bates, Alta, e-So Richfield

Batchelor, Joie, c-J-ss Provo

Bateman, Harold C., ss Logan

Bateman, Harold M., fa-F . Midvale

Baum, Atha, e-S-ss Am. Fork

Bauscher, Fred, a-F .. Corral, Idaho

Bayles, Adolia, fa-S-ss .. Blanding

Bayles, Mary, fa-F Blanding

Bayles, Wesley, c-F Blanding

Bayles, Weston, ap-J Blanding

Beal, Beth, e-F Moore, Idaho

Bean, Clara B., ss Payson

Bean, Helen, ss Payson

Beardoll, Anna, e-J-ss .. Springville

Beck, Jay, a-So American Fork

Beck, Lynn, fa-F Spanish Fork

Beck, Ross, ap-F Spanish Fork

Beckstrom, Delos, a-F .. Sp. Fork

Bee, Max C., ss Provo

Beebe, Mrs. Arla P., ss Provo

Beckstead, Oral, ss Sandy

Beclar, Virgie, Sp Provo

Behrmann, Jane, e-F Vernal

Bench, Dean W., ss Fairview

Bench, Rees E., ss Provo

Benedict, Frances, e-J Levan

Beniams, Herman, a-J-ss Provo

Bennett, Barta, Sp-ss Holden

Bennett, Lowell, c-So Meadow

Bennett, Elma, ss Provo

Bennett, Marie, Sp Provo

Bennett, Pauline, fa-J Provo

Bennion, Lowell, ap-F Benmore

Bennion, Milton L., ss

..... Salt Lake City

Bentley, Ivins, ss .. Thatcher, Ariz.

Bentley, LeRoi, ss Tooele

Bentley, Rinda, c-J

.... Colonia Juarez, Chih., Mexico

Berrett, Wm. E., ss ... Rigby, Idaho

Berrey, Alfonso G., ss

..... Montpelier, Idaho

Berry, Gladys, ss

..... Montpelier, Idaho

Best, Merle F., ss ... Salt Lake City

Best, Stanley, ss Salt Lake City

Bethers, Carol, e-F	Heber	.....	Arco, Idaho
Bethers, Hazel, e-So	Heber	Braithwaite, Lola, a-So .....	.....
Bevan, Thelma, a-F	Tooele	.....	Arco, Idaho
Biddulph, Clyde, ss	Provo	Bramwell, Albertan, c-J	Salt Lake City
Biddulph, Floyd, e-So	Provo	Bramwell, Wendell, c-So	Ogden
Bigelow, Margaret M., Sp-ss .	Provo	Brasher, Reuben, e-F ..	Huntington
Bigelow, Myrtle, e-F	Provo	Brenholt, Carl H., Sp	Provo
Bigelow, Percival, Sp	Provo	Brimhall, Sina, c-J	Provo
Bigler, Horace, G	Provo	Bringhurst, Carma, a-So .....	.....
Bills, Winona, e-F	Payson	.....	Lovell, Wyo.
Bingham, Norman, e-F	Ogden	Brinley, Eldon, e-S ..	Pleasant Grove
Bird, Hailey, c-So	Springville	Broadbent, David A., ss	Heber
Bird, Kenneth L., c-So ..	Springville	Broadbent, Dee, a-So	Heber
Bird, Margaret A., a-S .	Springville	Broadbent, Leah, e-J	Heber
Bishop, Duane, a-F	Delta	Broadbent, Marden, a-F	Heber
Bishop, Grant, a-F	Delta	Broadbent, Margaret, c-S-ss ..	Heber
Bissell, Harold, a-F	Springville	Broadbent, Thora D., ss .....	.....
Bjerregaard, Eliza M., e-S-ss,	Provo	.....	Thatcher, Ariz.
Bjerregaard, Oscar, ss	Provo	Brockbank, Ila, a-So	Provo
Black, Gladys, ss ..	Springfield, Ill.	Brockbank, Kathryn, fa-F	Provo
Blacker, Kemuel, ss .	Salt Lake City	Brockbank, Mark, a-So ..	Sp. Fork
Blackwell, Harry, fa-F ...	Pl. Grove	Brockbank, Mary, a-S	Sp. Fork
Blake, Fern, e-So	Hinckley	Brockbank, Wallace W., ss	Sp. Fork
Blohm, Anna, ap-F ..	Spanish Fork	Brough, Ivan, c-S	Morgan
Bluth, Fannie Vee, c-F .....	.....	Brown, Almon, ss	Ogden
Colonia Dublan, Chih., Mexico		Brown, Don, c-J	Manti
Boberg, Afton, e-F	Draper	Brown, Effie, ss	Salt Lake City
Boberg, Lowell, a-So	Draper	Brown, Emily, ss	Kanab
Bond, LaVon, ss	Heber	Brown, Howard, ap-F	Charleston
Bone, George, a-F	Lehi	Brown, Joseph, ap-J	Grantsville
Booth, Edgar, ss	Provo	Brown, Mary, ap-F	Grantsville
Booth, Edith, ss	Provo	Brown, Myrtle G., ap-S-ss ..	Ogden
Booth, Virginia, ap-S-ss	Provo	Brown, Sarah, e-F	Am. Fork
Boswell, J. Wallace, c-S	Nephi	Brown, Thelma, ss	Ogden
Bounous, Chester, ap-F	Provo	Brown, Virge N., a-F ..	Annabella
Bowen, Allie, e-So	Spanish Fork	Brugger, Gwen, a-F	Venice
Boyack, Harold, G ..	Spanish Fork	Brunt, Clarice, e-F ..	Idaho Falls Ida.
Boyack, Thelma, e-So ..	Spanish Fork	Brunt, G. Earl, c-un	Idaho Falls, Ida.
Boyen, Bess, c-F	Provo	Bryner, Evelyn, ap-S	Helper
Boyer, Helen, a-So	Springville	Bryner, LaPreal, ap-J	Helper
Boyle, Elfie, ss	Provo	Buchanan, Ray, fa-F	Richfield
Boyle, Willma, fa-S	Provo	Budge, Phyllis P., ss	Brigham
Bradford, Jack, c-F .	Spanish Fork	Buehler, J. Clyde, c-So	Ogden
Bradshaw, Ray, c-F	Hurricane	Buhler, Emery, fa-F	Pl. Grove
Bradford, Reed, a-F ..	Spanish Fork	Bullock, Bert K., c-S	Provo
Brady, Ed., e-So	Castle Dale	Bullock, Dean, c-So ..	Pleasant Grove
Brady, Louise, e-F	Castle Dale	Bunker, S. Bertell, c-So	Provo R. D.
Brady, Wm. W., ss	Castle Dale	Bunker, Vilate, c-F	St. Thomas Nev.
Braithwaite, Alta M., a-So ....	.....	Bunnell, Edna, ss	Eureka

Bunnell, Elvin, a-F Provo, R. D.
 Bunnell, Josie, ss Eureka
 Busch, Oscar J., fa-un .. Mancos, Col.
 Busch, Vera, fa-S Mancos, Col.
 Bushman, Glen, a-F Lehi
 Bushman, Robert L., c-J Provo
 Buss, Walter R., G Ogden
 Butler, Ruth, ss Rupert, Idaho
 Butt, Ethel C., G Provo

Call, Gaius, ap-J

Colonia Dublan, Chihuahua Mex.
 Call, Willard A., fa-So Everett, Wash
 Campbell, Jennie, ss Provo
 Candland, Don C., c-So Provo
 Candland, Louise, a-F Provo
 Candland, Willis, a-J Provo
 Cannon, Anthon S., ss Vernal
 Cannon, Katherine M., ss
 Carling, Benner J., e-F Fillmore
 Carlisle, Lucille, e-So Holladay
 Carlson, Helen, c-J Logan
 Carlston, Gus, a-F Murray
 Carlston, Mildred, ap-S-ss Fairview
 Carr, Russell, a-So .. Auckland, N. Z.
 Carr, William C., Sp Provo
 Carroll, Charles, a-J Provo
 Carroll, Kenneth, a-F Provo
 Carson, Velda, e-J Lehi
 Carter, Allan J., a-F Helper
 Carter, Lillian, ss Minersville
 Carter, Lillian, e-So .. Spanish Fork
 Casperson, Eliot, e-F .. Banida, Ida.
 Cazier, Jefferson B., c-S Morgan
 Chadwick, Effie M., ss Yost
 Chadwick, Fay S., a-F Am. Fork
 Chambers, Lee H., a-F Sp. Fork
 Chandler, Jesse, a-J Thatcher, Ariz.
 Cheney, Marjorie, ss

..... Cardston, Alberta Can.
 Cheney, Silas L., ss Kamas
 Cherrington, Elsie, c-So

..... Oakland, Cal.
 Childs, Myrtle A., ss Springville
 Chipman, D. Luzell, c-So .. Am. Fork
 Chipman, Eileen R., e-S-ss Am. Fork
 Chipman, Florence E., e-F Am. Fork
 Chipman, W. Paul, a-F .. Am. Fork
 Christensen, Blake, e-F Price

Christensen, Cleopha E., ss .. Moroni
 Christensen, Etha B., a-S Provo
 Christensen, Evan C., ss .. Aurora
 Christensen, Fern, e-F Ferron
 Christensen, Glen, a-So Salem
 Christensen, Helen, a-F Provo
 Christensen, Idah B., ss .. Richfield
 Christensen, Inez, e-So Salem
 Christensen, Ione, e-So .. Redmond
 Christensen, Irvin, fa-F Driggs, Ida.
 Christensen, LaVon A., ss .. Salina
 Christensen, Maurine, e-J Am. Fork
 Christensen, Melda, e-So .. Hinckley
 Christiansen, Mildred C., e-F

..... Pleasant Grove
 Christensen, Morris, fa-S Driggs, Ida.
 Christensen, Muriel, e-So ..Sp. Fork
 Christensen, Ruth, ss Provo
 Christensen, Vernon, a-F

..... Mount Pleasant
 Clark, Antone I., a-J .. Farmington
 Clark, Ernest R., ss .. Afton, Wyo.
 Clark, Gean, a-So Provo
 Clark, Heber D., ss Bountiful
 Clarke, Helen D., ss Am. Fork
 Clarke, Henry G., a-F .. Am. Fork
 Clarke, John L., a-S Am. Fork
 Clark, J. Kyle, a-F Provo
 Clark, Lucius, ss .. Idaho Falls, Ida.
 Clark, Reed, a-So-ss .. Mt. Pleasant
 Clarke, Robert A., a-J .. Am. Fork
 Clarke, Thomas, a-F

..... Tolaga Bay, New Zealand

Clark, Ward S., c-So Pl. Grove
 Clayson, Adelaide, e-So .. Sp. Fork
 Clayson, E. Anthon, a-J .. Sp. Fork
 Clayson, Eli K., c-So .. Am. Fork
 Clayson, Merrill D., ss .. Salt Lake
 Clayton, Dorothy, c-F Provo
 Clayton, Ernest C., ss .. Provo R. D.
 Clayton, Juanita, Sp Provo
 Clayton, Maxine S., ap-J .. Midvale
 Clayton, Olita M., ss Provo
 Clinger, Morris, fa-J Provo R. D.
 Cloward, Thora, e-F .. Salt Lake City
 Clyde, Clifford, a-So Provo
 Clyde, Dorothy, ss Provo
 Clyde, Fred, a-F Springville
 Cobbley, Grant O., fa-un Delco, Ida.

Coffin, Wid L., a-F St. Anthony, Ida.
 Coffman, W. Elmo, G-ss Springville
 Coffman, Glenn W., fa-S Springville
 Coleman, Aline, a-So Provo
 Coleman, Edna M., e-So Midway
 Collett, Farrell R., fa-J
 Montpelier, Ida.
 Collins, Bessie, Sp Provo
 Colvin, Harold A., a-So Provo
 Conder, Vera, a-F Olmstead
 Condie, Vera, ss Ogden
 Condon, David, a-J Provo
 Conover, Ada, c-F Ferron
 Conover, Elizabeth, c-F Provo
 Conover, Wm. Harrison, c-So....
 Provo
 Cook, Helen, fa-F Paris, Ida.
 Cook, Josinette, fa-S Provo
 Coombs, Alvin, ss .. Fountain Green
 Coombs, Mrs. Ellis D., ss .. Fairview
 Coombs, Esther, ap-S Fairview
 Coombs, Marvin, ap-So LaJara, Colo.
 Coombs, Oswald, Jr., c-So
Bingham Canyon
 Cooper, George, a-S Panquitch
 Corbett, George L., Sp-ss Provo
 Corbett, Pearson H., e-J Provo
 Corder, Reva, ap-F Provo R. D.
 Corder, Thomas, Sp Provo R. D.
 Cornaby, Ethel, e-So Sp. Fork
 Cornaby, Sterling, c-S Sp. Fork
 Cottam, Earl, a-F Provo
 Cottam, Effie, Sp Provo
 Cottam, Howard R., a-J Provo
 Cottam, Ramona F., Sp-ss Provo
 Cowan, Alberta, e-F Nephi
 Cowan, Fawn, a-F Payson
 Cowley, Angus W., a-J Venice
 Cowley, William H., Sp Provo
 Cox, Marguerite, e-So .. Orangeville
 Cox, Maxwell B., a-J Fairview
 Cox, Velma, e-So Ferron
 Cox, Wm. A., ap-So Provo
 Crafts, Ralph, c-So Deseret
 Cragun, Frank, c-S Provo
 Crandall, Anna, c-F-ss .. Springville
 Crandall, Idabell, e-So Peoa
 Crandall, Leo A., c-F Springville
 Crane, Brig, c-So Riverton

Crane, Reed, c-F Riverton
 Crawford, Metta, fa-F Pl. Grove
 Creer, Norman B., c-S Provo
 Creer, Thomas D., ss .. Salt Lake
 Creer, Wm. Edward, ap-F .. Sp. Fork
 Critchlow, Frances E., ss .. Hyrum
 Crockett, Darrell, c-So Logan
 Croft, Inez, ap-F Provo
 Crook, Caravene, c-F Payson
 Crookston, Eldon, a-J Am. Fork
 Crookston, Lenore, ss Am. Fork
 Crosbie, LaVerne, Sp Provo
 Crowther, R. Eldon, c-S Provo
 Crump, Rex W., c-F Herriman
 Cullimore, Albert E., a-F .. Pl. Grove
 Cullimore, Bernece, e-F Lindon
 Cullimore, James A., c-S .. Lindon
 Culmsee, Carlton F., a-J-ss .. Nada
 Cummand, Mabel, c-So .. Mesa, Ariz.
 Curis, Melva, fa-F Payson
 Curtis, Mildred, e-F Payson
 Cutler, Lowell, ss Snowville
 Cutler, Reese, a-F Preston, Ida.
 Cutler, Stanley C. c-F Provo
 Dahl, Clarence, ap-So Midvale
 Daly, Frank, e-F Panquitch
 Dalton, John, a-So Price
 Dangerfield, Grace, fa-So Provo
 Daniels, Cleon P., ss Logan
 Daniels, Walter, fa-S-ss Payson
 Dastrup, J. Elmer, c-J Richfield
 Dastrup, Ila, G Richfield
 Dastrup, Melba, ss Provo
 Dart, Paul, a-F Spanish Fork
 Davies, Edward, ap-J Provo
 Davies, Ramona, e-F Provo
 Davies, Byron, ss Cannonville
 Davis, Boyd C., ss Provo
 Davis, Cornell, a-F Santaquin
 Davis, Leslie, ss Venice
 Davis, Maxine, ss Provo
 Davis, Mildred, fa-S-ss Provo
 Davis, Owen, a-Un Provo
 Dean, John, a-F American Fork
 DeBry, James, ss .. Preston, Idaho
 Decker, Alma V., c-J
 Snowflake, Arizona
 Decker, Beasle, e-So .. Mancos, Colo.

- Decker, Helen D., a-Sd Provo
 Decker, James B., a-So Provo
 Decker, Lorenzo B., a-J Provo
 Decker, J. Smith, ap-J
 Snowflake, Arizona
 DeGraff, Elaine, fa-F Heber
 DeJong, Gerrit, G Provo
 Dennis, Eldon, G-ss Provo
 Despaigne, Ward, a-F .. Lovell, Wyo.
 Deuel, Myrtel, a-J Richfield
 Devenport, Hester W., ss
 Rexburg, Idaho
 Devenport, Karl W., ss
 Rexburg, Idaho
 Devey, Amy, e-F American Fork
 Dewsnup, Winona, fa-F Deseret
 Dickson, E. Cathern, e-So
 Cowley, Wyoming
 Dickson, Mildred, a-J Morgan
 Dimick, Dan R., a-So . Nampa, Idaho
 Dimick, Georgia R., c-S . Nampa, Ida.
 Dixon, Mildred, a-F Provo
 Dixon, Ruby, e-F Provo
 Dixon, Sarah, fa-So Provo
 Dixon, Valera, e-So Provo
 Done, Beth, Sp .. Tucson, Arizona
 Donnan, Doellamae, ss .. Provo R.D.
 Done, G. Blron, ss . Blackfoot, Ida.
 Dorrity, Bernice, e-So Kanosh
 Dotson, Edme, e-J Coalville
 Doty, Ben M., Sp-ss Provo
 Douglass, Phyllis, c-So Payson
 Downs, Alfred, ap-So . Provo R. D.
 Downs, Elvin, ap-F Provo R.D.
 Drake, Florence B., ss Ogden
 Draper, Edna, Sp Provo
 Dudley, A. Pearl, e-So Vernal
 Duke, Enid, e-F Heber
 Duke, Kenneth, fa-F Heber
 Duke, Lola, c-F Heber
 Duke, Melvin, e-F Provo
 Dunbar, Robert F., c-F
 Long Beach, Calif.
 Dunford, Geo. Osmond, ap-J
 Bloomington, Idaho
 Dyches, Ronald J., c-J Provo

 Earl, Nell M., ss .. Overton, Nevada
 Eastmond, Margaret H., G .. Provo
 Edwards, Alice, c-F Charleston
 Edwards, Dana, c-F Provo
 Edwards, Nina, e-So .. Charleston
 Edwards, Fern W., ss .. Pl. Grove
 Eggertsen, Armand, e-So-ss . Provo
 Eggertsen, Helen, c-So .. Springville
 Eggertsen, Simon P., ss Provo
 Eggertsen, Virginia L., e-So....
 Springville
 Eldredge, Wilma L., . Salt Lake City
 Elison, Golden, e-F .. Blackfoot, Idaho
 Ellett, Arthur O., ss Springville
 Ellett, Darwin, ss Mapleton
 Ellett, Neta, ss Bicknell
 Ellis, Helen, ap-F Price
 Engbersen, June, ss .. Driggs, Idaho
 Engbersen, Ruth, ss .. Driggs, Idaho
 England, Dorothy, e-F Tooele
 Ensign, George C., ss Ogden
 Erickson, Maxine, c-So ... Richfield
 Ericksen, Robert, c-F .. Mt. Pleasant
 Evans, Fay, c-F Lehi
 Evans, Ferdinand, a-F Lehi
 Evans, Fred, c-S Provo
 Evans, Howard C., c-F Lehi
 Evans, Jane, fa-F .. Spanish Fork
 Evans, Jennie, fa-S Price
 Evans, Neldon S., ap-F Spanish Fork
 Eyre, Foyd G., ss Ogden
 Eyring, Rose, a-J Pima, Ariz.

 Facer, Alice, a-So Provo
 Fage, Ray, Sp Pleasant Grove
 Farley, Lucille, c-F Provo R. D.
 Farmer, Neva, c-So Escalante
 Farrer, Chloe, e-So Beaver
 Farrer, Roger, ap-F Provo
 Fausett, Wm. Dean, fa-F Price
 Fausett, Flora, e-F Price
 Featherstone, Joseph, a-F
 Salt Lake City
 Fechser, Clyde, G Provo
 Fechser, Estrella, ss Moroni
 Fechser, John C., ss Provo
 Felt, Bert, a-F Centerfield
 Fetzer, Leona B., ss . Salt Lake City
 Fillmore, Belle, a-F Richfield
 Fillmore, Elmer, a-F Sp. Fork
 Fillmore, Irene, c-F Provo

Finch, James J., c-S Sp. Fork
 Finlinson, Burns, ss Leamington
 Finlinson, Virginia, e-F ... Oak City
 Finlinson, Walker, a-F .. Leamington
 Firmage, Doris, fa-F Sp. Fork
 Firmage, Wm Kenneth, a-So-ss..

..... Spanish Fork
 Fish, Joseph S., ss Lovell, Wyo.
 Fisher, Asael, ss Provo
 Fisher, Crystal, c-So Syracuse
 Fisher, Dean, c-So Provo
 Fisher, Flora D., ss Provo
 Fisher, Viri, a-F Provo
 Fitzgerald, Heber Alvah, ss

..... Shelley, Idaho
 Fitzgerald, H. Joseph, a-So .. Draper
 Fjeld, Allen, fa-J Lehi
 Fletcher, Floyd, Sp Vernal
 Fletcher, Hazel, a-So Provo
 Forster, Henry, a-So Delta
 Forsyth, Louise, Sp Provo
 Foster, Landy M., ss Sp. Fork
 Foster, Opal, e-So-ss Lapoint
 Fowler, Florence, c-So .. Idaho Falls
 Frandsen, Ernest, ss Redmond
 Frandsen, Florence, fa-S Springville
 Fraughton, Virgie, a-F Heber
 Frei, Vivian J., Sp-ss .. Santa Clara
 Frost, Margaret, e-So Sp. Fork
 Fugal, Genevieve, fa-F Pl. Grove
 Fujiwara, Takeo, a-So Sapporo, Japan
 Furlong, Lynn S., e-J Salt Lake City

Gaeth, Arthur, ap-Un Salt Lake City
 Gamett, LaVell, a-F Pl. Grove
 Gammon, Grace, e-So Provo
 Gardner, Beryl, e-So Payson
 Gardner, Cora, ss Orange, Calif.
 Gardner, Edward, ss Am. Fork
 Gardner, Elgin R., e-Un Levan
 Gardner, G. Grant, ss Levan
 Gardner, Grace, a-So Sp. Fork
 Gardner, Ivin E., ss Mona
 Gardner, Margaret, ss Delta
 Gardner, Russell, ss Levan
 Gardner, Tillie M., e-F .. Lund, Nev.
 Garfield, Leona, e-F Tremonton
 Garfield, Wanda, e-F Tremonton
 Garfield, Zoie, fa-J Draper

Garn, Floyd, a-F Coalville
 Garner, Iris, e-F Payson
 Garret, Mignon, Sp Provo
 Garrett, Raymond, c-J Nephi
 Garrett, Rex, c-Un Nephi
 Geary, Chas. C., ss Morgan
 Geary, Merlin, ap-J Huntington
 George, Homer, ap-F Escalante
 George, Kendall, e-So .. Cowley, Wyo.
 George, LaRue, e-So Kanosh
 George, Vernon, a-F Delta
 Gerber, Fern, ss Provo
 Geslison, Arthur, a-F Sp. Fork
 Gessford, Elizabeth, a-J Provo
 Gibbons, Robert, ss Logan
 Gibby, Adrain R., a-S Roy
 Gilchrist, Marion, e-F Provo
 Giles, Edna, ap-F Provo
 Gillman, Rhea, e-F Pl. Grove
 Gines, Reta, fa-S Roosevelt
 Giroux, Frances, ss .. Prescott, Ariz.
 Gleason, Katherine, a-F .. Pl. Grove
 Goe, Ben F., c-J Jackson, Wyo.
 Goe, Bill, c-F Jackson, Wyo.
 Goodrich, Albert, ss Vernal
 Goodrich, Frank, ss Vernal
 Goodrich, Owen, c-F Tridell
 Goodwin, LaPriell, Sp Lehi
 Goold, LaRue, fa-S Monroe
 Gourley, Gertrude, ap-J .. Pl. Grove
 Gourley, Maurine, fa-So .. Pl. Grove
 Graff, Glenn, ss Santa Clara
 Graham, Ellis R., a-So Fairview
 Graham, Ross, c-J Fairview
 Grange, A. Hollis, c-F Price
 Grant, Carter E., ss Sandy
 Green, E. Rich, a-S Ogden
 Greenhalgh, Lucile, a-J .. Santaquin
 Greenwood, McLissa, e-F .. Am. Fork
 Gren, Evelyn, Sp Provo
 Grey, Chrystal, e-So Monroe
 Gridley, Eileen, a-F .. Boise, Idaho
 Griffith, Melvin, a-So .. Lake Point
 Groberg, LeRoy, G-ss .. Rigby, Ida.
 Groberg, Nellie L., e-So-ss

..... Rigby, Idaho
 Grotegut, Arthur, G Sp. Fork
 Grotegut, LaMar, a-So Sp. Fork
 Grover, Welda J., c-F .. Rigby, Ida.

- Grow, Katherine, ss
 Cardston, Alberta, Canada
 Grow, D. Spencer, c-F
 Cardston, Alberta, Canada
 Gudmundsen, Mark, a-F .. Parowan
 Gunn, Stanley R., ss Beaver
 Gurney, J. Ferrin, c-J Lehi
 Gurr, Mary F., e-So Richfield
 Gusler, George W., c-F
 Camp Chase, Ohio
 Guyman, Olive, ss Huntington
 Haddock, Grove, ap-J
 Bloomington, Idaho
 Haddock, Ray L., a-So
 Bloomington, Idaho
 Hadley, Loyd T., c-J Ogden
 Hadley, Margaret, c-So .. Springville
 Hair, William J., ss Marion
 Hales, Agnes V., e-So Sp. Fork
 Hales, Angus S., a-F Sp. Fork
 Hales, Iman, a-So Deseret
 Hales, Thora T., e-F Pl. Grove
 Hall, Grace, e-So Vernal
 Hall, Hazel, ss Salt Lake City
 Hall, Merlyn, e-So-ss .. Springville
 Hall, Truman D., e-So Santaquin
 Halliday, John R., fa-So .. Pl. Grove
 Hamblin, Clara, fa-J St. Johns, Ariz.
 Hammond, Merrill C., a-F Provo
 Handley, Irving, c-So Sandy
 Hand, Lorus, ss Milford
 Hansen, Basil C., fa-J Lehi
 Hansen, Bob, c-So Lehi
 Hansen, Caroline, e-F Provo
 Hansen, Edward, ss Coalville
 Hansen, Edward, a-F Fairview
 Hansen, Elmo, ss Lehi
 Hansen, Floy, a-F Richfield
 Hansen, Fred, c-S Provo
 Hansen, Lester, Sp Provo
 Hansen, Ray Wm., a-S Mt. Pleasant
 Hansen, Robert G., c-F Provo
 Hansen, Rulon B., c-S Sp. Fork
 Hansen, Velda, ss Payson
 Hanson, William F., Sp Provo
 Hanson, Wilma, fa-J Sp. Fork
 Hansen, Zella, fa-F Am. Fork
 Hapi, Joseph T., a-F
 Nichaka, New Zealand
 Harding, Curtis, c-J Payson
 Hardman, Delsa, ss Myton
 Hardy, Horace, a-J Sp. Fork
 Hardy, McVal, c-So Provo
 Harmer, Louis, c-So Mapleton
 Harmon, Reid T., Gr. Price
 Harmon, Joseph W., a-F Price
 Harris, Arlene, ss Provo
 Harris, Belle, Sp-ss Payson
 Harris, Chauncy, a-F-ss Provo
 Harris, Delbert, a-Un .. Pl. Grove
 Harris, Edna, e-F Boise, Idaho
 Harris, Estelle S., Sp-ss Provo
 Harris, Franklin S. Jr., a-S-ss Provo
 Harrison, Bertrand F., Gr
 Springville
 Harrison, Edith, fa-F Provo
 Harrison, Madelyn, c-F .. Springville
 Harrison, Robert B., c-So Springville
 Hart, Charles J., ss Provo
 Hart, Ray G., a-J Provo
 Hartle, Lida, ss Vernal
 Harwood, Lenard, ap-So .. Springville
 Haslam, Eva, Sp Provo
 Haslam, William, c-So Provo
 Hasler, Ada, fa-J Provo
 Hasler, Arthur, a-J Provo
 Hasler, Lucile, e-So Midway
 Hasler, W. Thalman, Sp Provo
 Hatch, Lila M., ss Provo
 Hatton, Karl W., c-J Kanosh
 Hatton, S. Ross, a-S Provo
 Haws, Lucile, c-F Provo
 Haws, Ora, ap-J Provo
 Hayes, John E., ss Provo
 Hayes, Rex, Sp Provo
 Haymond, T. Melvin, ap-So
 Springville
 Hayward, Elizabeth, Gr Provo
 Hayward, C. Lynn, Gr-ss Paris, Ida.
 Hebertson, Thorit, Sp-ss Provo
 Hedquist, Helen, Sp Provo
 Heindselman, Flo, a-So Provo
 Heiselt, Helen, a-So Am. Fork
 Hellewell, Margaret, e-J Ogden
 Henry, Ruth, a-F Rigby, Idaho
 Hettig, Tubou, a-S
 Nukualofa, Tonga, Friendly Is.
 Hess, Chloe, ss Farmington

Jensen, James S., ss .. Mt. Pleasant	Johnson, Rhoda, Gr	Provo
Jensen, Lorna, a-So	Johnson, Ruth, Sp	Provo
Jensen, Marie, e-J	Johnson, Ruth A., e-So-ss ..	Provo
Jensen, Marcus, a-F	Johnson, Ruth L., ap-J	Provo
..... Idaho Falls, Idaho	Johnson, Stella, e-F - Richfield, Ida.	
Jensen, Myrtle R., e-S-ss	Johnson, Vard H., a-S ..	Pl. Grove
..... Afton, Wyoming	Johnson, Vearl, ap-J	Provo
Jensen, Ruby, ss	Johnson, Vola, a-So	Pl. Grove
Jensen, Vernon, a-So . Salt Lake City	Johnson, William H., fa-S ..	Morgan
Jensen, Zola, e-F	Jolley, B. Manning, Sp .	Provo R.D.
Jeppesen, Geraldine, ss	Jolley, Joseph O., a-F	Provo
Jeppson, Lee R., a-S	Jolley, Magdalene, e-F .	Provo R.D.
Jeppesen, Rhodes, fa-Sp	Jolley, Marcia A., ss	Provo
Jergensen, Erma, fa-So	Jones, Alice, fa-S	Provo
..... St. Anthony, Idaho	Jones, Amy, a-F	Springville
Jergensen, Verla, a-F	Jones, Andrew J., Sp-ss .	Gilmer, Tex.
..... St. Anthony, Idaho	Jones, Archie, c-So ..	Salt Lake City
Jessen, Vilda, a-S	Jones, Blanche B., e-So ...	Sp. Fork
Jex, Wm. Reed, c-J-ss .	Jones, Blanche M., e-So ..	Sp. Fork
Spanish Fork	Jones, Dix M., c-S-ss	Springville
Johanson, Alva J., a-S	Jones, Doratha, e-So	Provo
Rexburg, Ida.	Jones, Ellen, ss	Byron, Wyo.
Johns, Floyd W., fa-S	Jones, Evelyn M., c-F	Price
Delta	Jones, Fern, c-F	Springville
Johns, Harold G., c-So	Jones, Goldie, e-F	Grace, Idaho
Murray	Jones, Horace T., fa—	Heber
Johnson, Afton, a-J	Jones, Hyrum P., ss	Pl. Grove
Provo	Jones, Mrs. Hyrum P., Sp .	Pl. Grove
Johnson, Ben B., a-S-ss .	Jones, Irene, a-J	Logan
Mesa, Ariz.	Jones, Josephine, ss	Provo
Johnson, Bernice, c-F ..	Jones, LaFayette e-J	Provo
Nampa, Ida.	Jones, LaZeLe, ss	Sanford, Colo.
Johnson, Clair, Sp-ss ..	Jones, Lawrence, c-So	Provo
Springville	Jones, Myrtle, e-F	Provo
Johnson, Don Lorell, ap-So	Jones, G. Ray, a-S	Spanish Fork
Springville	Jones, Reed E., a-S ..	Spanish Fork
Johnson, Elbert, a-J ..	Jones, Teresa, e-F ..	Overton, Nevada
Nampa, Idaho	Jones, Wendell, c-So .	Overton, Nev.
Johnson, Eldon, a-So	Jorgensen, Florence, e-J .	Castle Dale
Pl. Grove	Jorgensen, Ada, a-F	Provo
Johnson, Eugene, a-J	Jorgensen, V. Frank, e-J	
Springville	..... Fountain Green	
Johnson, Fay, a-F	Jorgensen, Myron N., Gr.	
Provo	..... Salt Lake City	
Johnson, Glen, ap-F .	Jorgensen, Vivian, a-F ..	Am. Fork
Richfield, Ida.		
Johnson, Helen, e-F		
Pl. Grove		
Johnson, Hugh D., a-F		
Thistle		
Johnson, Ina, Sp		
Provo		
Johnson, Jennie, c-S		
Vernal		
Johnson, Josephine, a-F		
Provo		
Johnson, W. Kent, a-J		
Provo		
Johnson, V. Leroy, Sp		
Payson		
Johnson, Lora, e-So		
Moab		
Johnson, Louis, a-J		
Mapleton		
Johnson, Lowell, a-F		
Provo		
Johnson, Mabel E., e-So		
Provo		
Johnson, Mark Wm., ap-S .		
Mapleton		
Johnson, Maurean M., e-So		
..... Mora, New Mexico		
Johnson, Morris, e-F		
Provo		
Johnson, Paul M., a-J		
Provo		
Johnson, Rachel, e-F ...		
Springville		
	Kartchner, Alma H., c-S	Provo
	Kartchner, Veda F., Fa-S-ss	
	..... Provo R. D.	

- Kartchner, Virgil D., e-S-ss Provo R. D.
 Provo R. D.
 Kay, Melvin, a-F Mona
 Kay, Zelda, ss Mona
 Keeler, Paul, ap-J Provo
 Keeler, Essie, ss Provo
 Kelly, Eleanor, a-S St. Anthony, Ida.
 Kelly, Howard G., c-J. St. Anthony
 Kelly, Ralph, a-F . St. Anthony, Ida.
 Kenner, Robert L, ss .. Preston, Ida.
 Kenney, Beth, ss Holden
 Kenney, Flora, ap-F Holden
 Kerr, James G. a-So
 Idaho Falls, Idaho
 Kershaw, May G., ss . Phoenix Ariz.
 Ketcherside, Mildred, fa-J
 Long Beach, Calif.
 Killian, George, e-F Orangeville
 Killpack, Agnes, Sp Provo
 Killpack, Janie, e-F Ferron
 Killpack, Theron, Sp Provo
 Kimball, Caroline, e-F-ss Draper
 Kinball, Dorothy, e-So Kanosh
 Kimball, A. Noble, ss Kanosh
 Kimball, Lenora, ss Draper
 Kimball, Rose, e-F Kanosh
 Kimball, Veda, e-So Kanosh
 Kindred, Berne, c-F Springville
 King, Alma, ss Garland
 King, Gertrude, a-So ... Grace, Idaho
 Kinghorn, Twila, e-So
 Idaho Falls, Idaho
 Knapp, Howard, a-F Provo
 Knell, Virginia, ap-S Newcastle
 Knight, Richard B., c-So-ss .. Provo
 Knudsen, Lillian R., fa-So Lehi
 Knudsen, Mildred, ap-J Ephraim
 Kopp, Alfred, a-J . San Jose, Calif.
 Kotter, Vernon, ap-Un Brigham
- Lambert, Asael C., Gr. Provo
 Laney, Leland C., Sp Brigham
 Larsen, A. Bardell, fa-J-ss
 Mt. Pleasant
 Larsen, Blanch, ss Lehi
 Larsen, Mrs. B. F., ss Provo
 Larsen, Carlyle, c-So Pl. Grove
 Larsen, Chestina B., Sp-ss .. Provo
 Larson, Eldon, ss . Washington, Utah
- Larsen, J. Elmo, c-J Provo
 Larsen, G. Clyde, a-F Provo
 Larsen, Eugene, a-F Provo
 Larsen, H. Gordon, c-J Provo
 Larson, Gustive O., ss .. Cedar City
 Larsen, Helen, ss Mt. Pleasant
 Larson, Melba, Sp Provo
 Larsen, Rex, a-F Provo
 Larsen, Seth, a-Un
 Sterling Alberta, Canada
 Larsen, Thelma, c-So .. Castle Dale
 Larsen, Vernon, e-S .. Mt. Pleasant
 Larsen, Zelda, a-J Provo
 Laurence, Harold, ss .. Malad, Idaho
 Leavitt, Laurel E., a-S
 Bunkerville, Nevada
 Leavitt, Melba M., ss ... Pine, Ariz.
 Lee, Arthur H., a-S-ss Monroe
 Lee, Bernice, Gr ... Thatcher, Ariz.
 Lefler, John R., ss Kamas
 Leonard, Ross, e-F Huntington
 LeRoy, Mary, Sp-ss Springville
 Lewis, Alton, fa-F Kamas
 Lewis, Bernell, a-F Provo
 Lewis, Bert A., a-S Provo
 Lewis, Doris, Sp Provo
 Lewis, Ethel, e-F Provo
 Lewis, Jasmine C., Sp, Salt Lake City
 Lewis, Kenneth, ap-Un Provo
 Leyshon, J. Baxter, Sp Provo
 Lichfield, William, c-J Provo
 Lillywhite, John, ss Brigham
 Lillywhite, Miriam, c-F
 Salt Lake City
 Lindsay, Elizabeth, Sp-ss Provo
 Livingston, Burnell, a-F . Sp. Fork
 Livingstone, Margaret, a-So
 Aberdeen, Idaho
 Lloyd, Wesley P., ss .. Grace, Idaho
 Lott, Wreal, a-So Lehi
 Loveridge, Thomas L., ss Lehi
 Lowe, Bessie, e-F Pl. Grove
 Lowe, Lorna, c-So Parowan
 Ludwigson, Emma, ap-J . Pl. Grove
 Luke, Melroy, ap-So Provo
 Luke, Theron, ap-F Heber
 Lunceford, George, a-S Provo
 Lunceford, Kenneth C., a-F .. Provo
 Lund, Ethel, ss Mt. Pleasant

Lund, Lee W., e-S Manti
 Lyman, Mary, c-F Delta
 Lyman, Willis J., e-J-ss .. Oak City
 Lyon, Mary, ap-S .. Overton, Nev.
 Lyon, Thomas E., ss Lewisville, Ida.

McArthur, Perry L, Sp Nephi
 McBride, Karl, c-J Pima, Ariz.
 McBride, Orlando, a-J. Thatcher, Ariz.
 McConkie, Andrew R., a-F Moab
 McConkie, Faun, a-So Moab
 McConkie, Wilson, a-So Moab
 McCurdy, Elsie, e-J-ss .. Springville
 McDonald, DoLores, fa-F Provo
 McDonald, Lyle, c-J Salina
 McDonald, A. Melvin, c-S-ss . Heber
 McEwan, Lester, c-Un Provo
 McGregor, Lorenzo, a-S .. St. George
 McGuire, John, c-F Provo
 McGuire, William H., a-S . Etna, Cal.
 McKell, Charles R., a-S .. Sp. Fork
 McKinnon, Thelma, fa-F Price
 McMullin, Lucille, a-So Payson
 McOmie, Robert, ss Pl. Grove
 McPhie, Francis, c-F Provo
 McPhie, Hazel M., e-So Provo

Mace, Ilene, e-F Kanab
 Madsen, Anne, a-S Logan
 Madsen, Clark, a-F Springville
 Madsen, DeVine, fa-So-ss .. Gunnison
 Madsen, Emily, fa-So Duchesne
 Madsen, Farrell, a-So Fairview
 Madsen, Franklin, Gr Provo
 Madsen, Herbert, a-F ... Provo R.D.
 Madsen, Neola, c-F Provo R.D.
 Madsen, Sylvia, Sp Provo
 Maeser, Georgia, ss Provo
 Magleby, McRay, a-J Monroes
 Magleby, Neal, a-F Monroe
 Magleby, Russell, Gr Monroe
 Mangelson, Helen, a-S Nephi
 Mangum, Beth, a-So Provo
 Mangum, Dixie, c-F Provo
 Mangum, Max, c-J Provo
 Manson, George, e— Eureka
 Marchant, Edith, fa-F .. Burley, Ida.
 Markham, Ben S., a-So .. Sp. Fork
 Markham, Ina, e-So Sp. Fork

Martin, Mary, Sp Provo
 Martin, William P., a-F Provo
 Martin, Zola, e-S Provo
 Martineau, Carl, a-So Provo
 Matthews, Elmer, c-S Brigham
 Mathews, Kate, ss Provo
 Matthews, Mabel, Sp . Liberty, Ida.
 Matthews, Weldon, c-So .. Midvale
 Maughan, Lucile, a-S
 Lava Hot Springs, Idaho
 Maw, Florence, fa-J Provo
 Maw, Margaret, a-J Provo
 May, Charles, c-F . Los Angeles, Calif.
 May, R. Golden, ss .. Oakley, Idaho
 Maycock, Esther, a-F .. Springville
 Maycock, Howard, c-So .. Springville
 Meiling, Bessie L., Gr Provo
 Memmott, Orion, e-So Scipio
 Mendenhall, B. Harold, a-So
 Springville
 Mendenhall, Wendell B., a-F
 Springville
 Meng, Curt, ss Rexburg, Idaho
 Menlove, Walden, c-S Provo
 Mensel, Dorothy, fa-So-ss .. Provo
 Menzies, Belva, ss Provo
 Menzies,, Charles, ap-So Provo
 Menzies, Mrs. Jane, ss Provo
 Merkley, Charles, ap-S Tridell
 Merrill, Mrs. Amos, Sp Provo
 Merrill, Edna J., Sp-ss Provo
 Merrill, Mrs. H. G., Sp Provo
 Merrill, Lucille, e-J Provo
 Merrill, Lydia S., Sp Ogden
 Merrill, Ray D., a-J . Salt Lake City
 Merrill, Vera, a-F Provo
 Merrill, Vivian, fa-F Provo
 Merrill, Harrison, a-F Provo
 Merrill, William A., ap-So .. Vernal
 Millar, Harvey C., a-S ... Pl. Grove
 Miller, Barr C., c-F Murray
 Miller, Florence, e-So Provo
 Miller, James, a-So Provo
 Miller, John A., a-F
 Snowflake, Arizona
 Miller, Kenneth R., a-S . Am. Fork
 Miller, Phyllis, a-So Provo
 Millet, Beulah, fa-F Mesa, Ariz.
 Millet, Karl, e-F .. Pleasant Grove

- Milligan, Frank, a-Un . Merkel, Tex.
 Miner, Dean, a-F Provo
 Miner, Fred, c-J Magna
 Miner, G. Avard, c-F Magna
 Miner, Ila, ss Fairview
 Miner, Melvin, c-S Provo R. D.
 Miner, Loie, ss Provo
 Miner, Orson, e-J Kanosh
 Mitchell, J. Harry, c-F-ss .. Eureka
 Mitchell, Ruth, c-S-ss Provo
 Moffett, Helen, e-So Am. Fork
 Moffitt, Lorna, e-So Helper
 Moir, Helen, a-So Provo
 Moncur, Lucille, c-F . Worland, Wyo.
 Monson, Weldon P., a-S
 Salt Lake City
 Moody, Edgar R., ss Hinckley
 Moody, Miton W., ss Hinckley
 Moon, LaRetta M., fa-Un .. Hanna
 Moore, Anna, e-F Payson
 Moore, Clara, ap-So Sp. Fork
 Moore, Fred M., Sp-ss Provo
 Moore, Samuel D., Jr., ss . Pl. Grove
 Moore, Vernon S., Sp-ss Payson
 Morgan, David, a-So Sp. Fork
 Morgan, E. Genevieve, fa-S .. Payson
 Morgan, Lois, e-J Spanish Fork
 Morgan, Ralph, a-So .. Spanish Fork
 Morgan, Wendell, a-J Provo
 Morley, Alonzo, Gr-ss Provo
 Morley, Zelda, ss Moroni
 Morrell, Helen, ss Lyman
 Morrill, L. Grant, ss Tridell
 Morrison, Lillian, ss St. George
 Mortensen, Phyllis, c-F Provo
 Mortensen, Russell, e-Uu
 Inglewood, California
 Moss, James E., ss .. Salt Lake City
 Moss, James W., ss Holliday
 Mousley, Ella, ss Riverton
 Mower, John F., Sp-ss Provo
 Muhlestein, Jesse, c-So Provo
 Murdock, Ernest, c-So Provo
 Murdock, Ezra, e-J .. Sugar City, Ida.
 Murdock, Leland, c-F
 Sugar City, Idaho
 Murdock, Stephen, a-So Provo
 Murdock, Ray, c-F Provo
 Murphy, Bud, e-F Salina
- Musser, Mattie, a-F Myton
 Myrup, Alice, e-So Bountiful
 Myers, LaPriel, e-So Am. Fork
- Nash, Edith, fa-So Springville
 Neilson, Mona, e-F Provo
 Neilson, Inez, ss Provo
 Nelson, Aaron, ap-F . Montpelier, Ida.
 Nelson, Boyd, a-J Pl. Grove
 Nelson, Blanche, ss Provo
 Nelson, Byron, a-F . Montpelier, Ida.
 Nelson, Cally, ss Downey, Ida.
 Nelson, Clifford, e-So Joseph
 Nelson, Delmar, fa-J .. Provo R. D.
 Nelson, Dorothy, ss Downey, Ida.
 Nelson, Edna V., a-S Pl. Grove
 Nelson, Eliza, a-So-ss Provo
 Nelson, Gwendolyn, a-J Provo
 Nelson, Harold S., Gr-ss .. Pl. Grove
 Nelson, Mabel M., Sp Am. Fork
 Nelson, Murcy E., ap-S
 Montpelier. Idaho
 Nelson, Orpha, Sp Provo
 Nelson, Aalph, a-J Joseph
 Nelson, Thelma, e-So Springville
 Nelson, Vivian, e-F Redmond
 Nelson, William C., ss Santaquin
 Nelson, William LeRoy, c-Un . Salina
 Newell, Helen, ap-F Provo
 Newell, Naomi, ss Elsinore
 Newell, Rulon, ss Elsinore
 Newton, Leon, ss Monroe
 Newton, Wilford, ss Mona
 Nicholson, Harry, Sp-ss Provo
 Nicol, Chase, Sp Provo
 Nielsen, Alfred C., ss . Salt Lake City
 Nielson, Alma, c-So . Fountain Green
 Nielson, Clyde, a-F Mesa, Ariz.
 Nielsen, Dean E., e-S Tooele
 Nielson, Don, ap-So Mapleton
 Nielsen, Earl L., e-So Provo
 Nielson, Elmer A., ss Castle Dale
 Nielsen, Emil K., ss Provo
 Nielson, Exilda, fa-J Monroe
 Nielson, Faughn, e-F Price
 Nielsen, Helen, e-F Blanding
 Nielsen, Jean C., a-J
 Idaho Falls, Idaho
 Nielsen, J. Lewis, ap-J

..... Spring City, Utah
 Nielson, Lorna, e-So Oak City
 Nielsen, Maude, ss Shelley, Ida.
 Nielsen, Louise, a-F Tooele
 Nielson, Loya, c-J Springville
 Nielsen, Mark, c-So Sp. Fork
 Nielson, Wendell, e-So .. Springville
 Nielson, Theodore W., ss .. Manti
 Nilsen, Gladys, ss .. Shelley, Idaho
 Nisonger, Max, a-F Provo
 Norberg, Lester, ss Coalville
 Norman, LaVina, ss .. Rexburg, Ida.
 Norton, Robert, a-F Oasis
 Noyes, Newton, ss Ephraim
 Nye, Earl, ap-F Lehi

O'Gara, Carl M., Fa-F

..... Los Angeles, Calif.
 Oakley, Dorothy, a-So Provo
 Oaks, LeRoy, ap-S Vernal
 Oaks, Rozena N., ap-S

..... Montpelier, Idaho
 Ogden, Anna, a-So Richfield
 Ogden, Niels, ap-J Delta
 Ohlweiler, Wendell, a-J Heber
 Okelberry, Orval, a-F Goshen
 Oldroyd, Wanda, c-F ... Glenwood
 Olpin, Donna, e-F Pl. Grove
 Olpin,, Ralph, c-So Pl. Grove
 Oleson, John, ss Payson
 Olson, Crista, fa-J Payson
 Olsen, Donald, fa-F Provo
 Olsen, George, c-F Provo
 Olsen, Jamie, e-So Ovid, Idaho
 Olsen, Joseph, ss Richfield
 Olsen, Karl, fa-Un Declo, Idaho
 Olsen, Marvin, ap-F Pl. Grove
 Olson, Max D., c-S Provo
 Olson, Roland, ss Provo
 Openshaw, Sue, c-F .. Mesa, Arizona
 Osmond, Marcia, ss Provo
 Osmond, Waldo, ss Provo
 Ossmen, Lee, a-F Rigby, Ida.
 Osterloh, Leona, e-So Lehi
 Ostlund, Evelyn, ss Provo

Pace, Mae, e-So Price
 Pace, Maxine, fa-F Cedar, City
 Pack, Dean, a-F Provo

Page, Bernice, e-F Riverton
 Page, Eileen, e-F Goshen
 Palfreyman, Raphel, ap-So

..... Springville

Parker, Grace, e-F Am. Fork
 Parkinson, Clarissa, e-So .. Driggs, Ida.
 Parkinson, Rada, fa-J . Driggs, Ida.
 Parry, Thomas, a-S Manti
 Passey, Edward, ss Logan
 Paxman, Arthur, ss St. George
 Paxman, Edith, fa-So Provo
 Paxman, Elaine, fa-S Provo
 Paxman, Ernest, ss Provo
 Paxman, Lota, c-So Provo
 Paxman, Rulon, a-J Provo
 Paulsen, Wendell, fa-Sp Provo
 Payne, Edward W., a-S Provo
 Payne, Minnie, fa-F Provo
 Pearson, Irvin, ap-So Oakley
 Pease, Leonard, a-J Provo
 Peay, Ruth, e-So Pl. Grove
 Penrod, Lois, e-So Provo
 Perry, Asahel, ap-F Vernal
 Peters, Emo, c-J Am. Fork
 Peterson, Elmer, ss Provo
 Petersen, Emma, e-So .. Springville
 Peterson, Eugene, ss Scipio
 Peterson, Frank, ap-F ... Spring City
 Peterson, Hilda, ss Fairview
 Peterson, Hugh W., Gr Provo
 Peterson, Laurence, c-J Provo
 Peterson, Laurleen, a-F Oasis
 Peterson, Lee, c-So Sp. Fork
 Petersen, H. Lester, ss . Rexburg, Ida.
 Petersen, Mabel, e-F . Rupert, Idaho
 Peterson, Margaret, a-So

..... Aberdeen, Ida.

Peterson, Norma, e-F Fairview
 Peterson, Parlell, a-F Provo R.D.
 Peterson, Paul, a-F Lehi
 Peterson, Roxie, ss Provo
 Peterson, E. Smith, a-So Lehi
 Peterson, Raymond, fa-J . Pl. Grove
 Peterson, Tom, c-F Provo
 Petersen, Wayne, a-F Hinkley
 Petty, LaVeve, a-So Nephi
 Petty, Wanda, fa-S Nephi
 Phelps, Maxine, fa-J .. Mesa, Ariz.
 Phillips, Earl H., Gr.-ss Provo

- Phillips, James W., ss .. Am. For
 Phillips, Reed A., c-S Provo
 Phillips, Eileen, e-F Am. Fork
 Pickens, Nora, c-F Mesa, Ariz.
 Polly, Kenneth, a-F Provo
 Polly, Orville, a-S Provo
 Porter, Blanche, fa-F Payson
 Porter, Mrs. H. K., Sp Provo
 Porter, Veda J., ss Provo
 Potter, Gleen S., ss . Bancroft, Ida.
 Poulson, Marion, a-So Provo
 Poulson, Ruby, a-F Provo
 Poulton, Albert, c-Sp Provo
 Powell, Maurine, e-J Levan
 Preston, James, ap-F Am. Fork
 Preston, Violet, e-So Am. Fork
 Prestwich, Athol, a-Un
 Idaho Falls, Idaho
 Price, Lloyd, ss Wales, Utah
 Price, Lorraine, ap-S Beaver
 Prince, Cleament, a-J .. Gooding, Ida.
 Prince, Fenton, a-J .. Gooding, Ida.
 Prior, George, c-So .. Spanish, Fork
 Pritchett, Lola, ss .. Mt. Pleasant
 Probert, Leo, a-S Scipio
 Probst, Leah, e-F Midway
 Probst, Sylvia, e-So Midway
 Proctor, Annie, ss Spanish Fork
 Prothero, Walter J., c-S Provo
 Prusse Hanna, ap-F Provo
 Pulley, Esther, fa-So .. Am. Fork
 Pulsipher, Melba, e-So .. Provo R. D.
 Purvance, W. Truxton, c-F .. Provo
 Pyper, LaVon, ss Heber

 Raile, Theo, Sp-ss Provo
 Ralston, Mary, c-F Provo
 Rambeau, Jean, ss Provo
 Randall, Leroy, c-S Ogden
 Randall, Lorene, a-S Ogden
 Rasband, Irving, c-J Heber
 Rasmussen, Boyd, c-S Richfield
 Rasmussen, Irene, e-J Fillmore
 Rasmussen, Lenore, Sp-ss Provo
 Rasmussen, Mabel, ss .. Mt. Pleasant
 Rasmussen, Mary, ss .. Mt. Pleasant
 Rasmussen, Reed, c-F Richfield
 Rasmussen, Robert, e-F
 Fountain Green

 Rasmussen, Rulon, ss Fairview
 Reardon, Tressa, ss Payson
 Redd, Bernice, e-So Blanding
 Redd, Wayne H., ss Blanding
 Redford, Lloyd, a-F Monroe
 Redden, Mervin, fa-So Provo
 Redmond, Mary Lou, e-So . Roosevelt
 Reed, Nellie S., Sp-ss Ogden
 Reid, Dortha, ap-J-ss Provo
 Reid, Ernest, ss Abraham
 Reid, F. Horace, e-So Orangeville
 Reid, H. Lorenzo, Sp St. George
 Reece, Helen, e-F Payson
 Reese, Margaret, e-F Price
 Reese, Rudolph, a-F Provo R. D.
 Rees, Stanley, a-F Salt Lake City
 Reynolds, Allen, ss Circleville
 Reynolds, Elizabeth, fa-So
 Salt Lake City
 Reynolds, Hannah, fa-Sp Provo
 Rich, Abel S., ss Provo
 Rich, Ada S., a-Sp Provo
 Rich, Beth, a-F Paris, Idaho
 Rich, Clarence, c-So Morgan
 Rich, Edith, a-S Paris, Idaho
 Rich, Glenna, e-So Morgan
 Rich, Naome, e-S Paris, Idaho
 Rich, Stella P., ss .. Glendale, Calif.
 Richards, Georgia, fa-J
 Salt Lake City
 Richards, Wilford W., Sp-ss
 Garland
 Richardson, Vernon L., a-S-ss ..
 Thatcher, Arizona
 Richins, Lowell, a-F Pl. Grove
 Richins, Mary, ap-F Provo
 Richmond, Dorothy, a-F Provo
 Ricks, Lavonda, ap-F
 Idaho Falls, Idaho
 Riding, Rayda, a-So Delta
 Rigby, Wendell, ss Provo
 Rigtrup, Mary, e-So .. Spanish Fork
 Ripple, Paul, c-So Provo
 Ririe, Martin, fa-So Lewiston
 Robbins, Blanche, a-S . Moreland, Ida.
 Robbins, Enid, c-Sp Provo
 Roberson, Coreene, e-So . Springville
 Roberts, Bertha D., ss Provo
 Roberts, Jesse L., ss ... Rupert, Ida.

Roberts, Margaret, e-F .. Sp. Fork	Rust, Richard, c-F Provo
Roberts, Reva, e-F Am. Fork	Rutherford, Clifford, fa-S
Robertson, Garland J., c-So .. Provo	..... Salt Lake City
Robertson, Herbert, a-J .. Sp. Fork	
Robertson, LaPreal, ss .. Sp. Fork	Sabin, Merrill, a-F Salem
Robertson, J. Wesley, Sp-ss	Sager, J. Elmo, ap-So Am. Fork
..... Springville	Salisbury, Dona, fa-S . Springville
Robertson, LeRoy, fa-Sp Provo	Salisbury, Howard, a-So . Springville
Robins, Kenith, ss Scipio	Sampson, Ellen, ss Eureka
Robinson, Ethel, ap-S Kanab	Sandgren, Clyde D., c-J Provo
Robinson, Fern, e-F Am. Fork	Sanft, Charles, fa-So .. Savan Tonga
Robinson, Ione, fa-F . Oakland, Calif.	Sauer, Gertrude, fa-So Provo
Robinson, Lydia, ss Beaver	Schick Anna, e-F Provo
Robinson, Iris, fa-S Provo	Schofield, Enid, e-F Hiko, Nev.
Robinson, Mamie, a-Sp Provo	Schofield, Pauline, a-J .. Hiko, Nev.
Robinson, Orpha, e-So Am. Fork	Schow, Margaret, e-So Lehi
Robinson, L. Ray, ss Logan	Schultz, Charles, a-F Ephraim
Robinson, Willis, Sp . Pioche, Nev.	Scorup, Caroline, ap-S Provo
Robison, Alpha, e-F .. Baker, Nev.	Scott, Ida, e-So Provo
Robison, Bertha, e-F .. Baker, Nev.	Scott, G. Vernon, a-J Provo
Robison, Burle, a-So Provo	Seaman, J. Gordon, c-F
Robison, Nella, e-So Hinckley	..... Salt Lake City
Rockwood, Lewis, c-F	Seamount, Naomi, fa-S Provo
..... Salt Lake City	Searle, Kenneth, ap-So .. Am. Fork
Rockwood, Wendell, c-F	Searle, Vernon, ss
..... Salt Lake City	Seastrand, Selma, e-F Am. Fork
Rogers, Alfred J., ap-Sp . Pl. Grove	Seaton, May, e-F Price
Rogers, Dallas, ss Kanosh	Seeley, Alice, ap-So .. Mt. Pleasant
Rogers, Rose, ss Kanosh	Seeley, Elva, ap-J Mt. Pleasant
Rollins, J. Leslie, ss .. Lyman, Wyo.	Seegmiller, Frank, ss . Salt Lake City
Romney, Elwood S., a-So . St. George	Sells, Edith, e-F Nepns
Romney, Marguerite, fa-F	Serpa, Richard M., ss
.... Colonia Juarez, Chih., Mexico	..... Twin Falls, Idaho .
Ross, Soren, Gr Ephraim	Sessions, James, ss .. Pocatello, Ida.
Roundy, Amanda, c-Un Provo	Sessions, Magdalene, ss
Rowe, Browning, c-So Provo	..... Pocatello, Idaho
Rowe, Glen A., Sp-ss .. Spanish Fork	Shawcroft, Reese, ap-So
Rowe, Helen A., a-S Provo	..... LaJara, Colorado
Rowe, Paul, c-F Provo	Shawcroft, Zola, e-So . LaJara, Colo.
Rowe, Minnie M., ss Provo	Sheffield, Bernice, ss Brigham
Rowland, Hannah, ss Springville	Sheffield, Donald, e-So-ss .. Brigham
Rowland, Jex, c-F .. Montpelier, Ida.	Shelley, Ethel, e-F Am. Fork
Rowley, Edwarden, e-Sp-ss . Provo	Shelley, D. Moroni, a-S .. Am. Fork
Rowley, Laurence, e-F .. Blanding	Sheppard, George, a-J .. Pima, Ariz.
Rowley, Maude, e-F Provo	Shepherd, Laura, Gr-ss Beaver
Russell, Reed, a-F Tooele	Shields, Lloyd, a-So Tooele
Russon, Ida, fa-Sp Lehi	Shields, Lona B., e-So Fillmore
Russon, Joseph, ss .. Salt Lake City	Shields, Utahna, e-So Midvale
Rust, Laura, e-So Provo	Shipp, Warren, a-F Beaver

- Shober, Ernest, a-So Murray
 Shumway, Grace, e-F Kanab
 Shurtliff, Don, a-So Provo
 Shurtliff, Melva, c-F Provo
 Simkins, Edna, ss Mesa, Ariz.
 Simper, G. Wayne, e-So Murray
 Simpson, Lois, e-F Heber
 Skeem, Harold, a-F Oasis
 Skousen, Lester, a-F
 Colonia Juarez, Chih., Mexico
 Skousen, Marvin, a-J
 Gilbert, Arizona
 Slack, Edith, e-F Provo
 Slade, Horace, ap-So .. Eagar, Ariz.
 Smart, Henrietta N., e-Sp-ss . Provo
 Smart, Herbert, a-F Provo
 Smart, Max, a-So Provo
 Smith, Avera, e-So Provo R.D.
 Smith, Earl, a-F Beaver
 Smith, J. Earl, a-So Payson
 Smith, Ernest, a-S Pl. Grove
 Smith, Ervine, a-J Pl. Grove
 Smith, Esta, ss Pl. Grove
 Smith, Fern, ss .. Snowflake, Ariz.
 Smith, Jay M., a-Sp Lehi
 Smith, J. Ford, c-F Lehi
 Smith, J. Aldwyn, c-F Provo
 Smith, A. Hasting, c-So . Springville
 Smith, Julina, a-S .. Salt Lake City
 Smith, Lois, a-So .. Salt Lake City
 Smith, J. Lyman, ss Burley, Ida.
 Smith, Miriam, e-F .. Salt Lake City
 Smith, Moroni, ss Hyrum
 Smith, Naomi, e-So .. Salt Lake City
 Smith, Norma, e-F Payson
 Smith, Ruth E., e-So Pl. Grove
 Smith, Virgil J., c-F Lehi
 Smith, Wm. C., ss . Snowflake, Ariz.
 Smoot, Earl, a-Sp Provo
 Smoot, Fern, fa-So Provo
 Snell, Alta, e-F Provo
 Snell, Morris, a-So Provo
 Snell, William H., Gr-ss Provo
 Snow, Clyde, ap-F Payson
 Snow, Edna, Gr-ss St. George
 Snow, Elda, fa-So Provo
 Snow, Elizabeth, Sp .. Pine Valley
 Snow, Hortense, ap-So .. St. George
 Snow, Wanda, e-So Wellington
 Snow, Perry, ss Ferron
 Snow, R. Thornton, ss Provo
 Snyder, Bert E., a-So Sp. Fork
 Sorensen, Clayton, fa-S, Mt. Pleasant
 Sorenson, Dortha, e-F . Ruth, Nev.
 Sorenson, Grace, e-So .. Ovid, Ida.
 Sorenson, Lewis, ss Redmond
 Sorenson, Virgie, e-So . Koosharem
 Sowards, Anthony, c-S Provo
 Sowards, Josephine, ap-F Provo
 Sowards, Myrtle, c-F Provo
 Sowards, Vera, ss Provo
 Spafford, Louise, a-J Provo
 Spear, Grace, a-Sp Provo
 Speckart, Florence, a-So Provo
 Speckart, Frank, c-J Provo
 Spencer, Birdie, c-F Escalante
 Spencer, Leland, c-So Provo
 Sperry, Mabel, ss Nephi
 Stahmann, Ben R., a-So .. Sp. Fork
 Stanton, W. D., Sp-ss Eureka
 Staples, Anna Laura, e— .. Elsinore
 Staples, George, Gr Elsinore
 Starr, Inez, ss Springville
 Startup, Evelyn, fa-Sp Provo
 Startup, Naomi, Sp-ss Provo
 Startup, Norrell, ap-S Provo
 Steed, Dean, C-So Farmington
 Steele, Ray, ss Goshen
 Stephens, LaGrande, a-F
 Montpelier, Idaho
 Stephens, Ruth, fa-So
 Montpelier, Idaho
 Stephens, Sylvan, a-F Provo
 Stephenson, Allen, e-J Holden
 Stephenson, J. Maiben, ss .. Holden
 Stevens, Esther, e-So Randlett
 Stevenson, Ilah, e-F .. Springville
 Stevenson, Libbie, e-F . Mohrland, Ut.
 Stewart, Gwendolyn, ap-S .. Ogden
 Stewart, Mrs. John R., ss
 Salt Lake City
 Stewart, Loris, e-So Provo
 Stewart, Nellie B., ss Payson
 Stimpson, John, ss Provo
 Storrs, Betha, fa-J Am. Fork
 Stowe, Hesse'l, c-F Ogden
 Stowell, Lucile, ss Payson
 Strang, Schuyler, a-F Provo

- Stratford, Allen, c-F Ogden
 Stratton, Ervin, c-So Hinckley
 Strauser, Ethel, e-So-ss
 Sullivan, Missouri
 Strickler, Beulah, ap-J Ogden
 Strong, Amber, ss Alpine
 Strong, Jay, a-F Springville
 Strong, Leon, ss .. Rexburg, Idaho
 Stubbs, Erma, e-F Provo
 Summerhays, Clyde, c-So
 Salt Lake City
 Sumner, Maline, a-Sp Provo
 Sumsion, Spafford, ss Chester
 Sundwall, Harry, c-F Fairview
 Sumsion, Merlene, e-F .. Springville
 Sutherland, Albert A., a-S-ss . Provo
 Sutherland, Eva K., ss Provo
 Sutton, Genevieve, fa-Sp Provo
 Swallow, Truman, A-J-ss .. Meadow
 Swan, Frances, ss Sandy
 Swapp, Farris, e-So Provo
 Swensen, Beth, a-J Pl. Grove
 Swenson, Blaine, ap-F Pl. Grove
 Swenson, Louise, a-J Provo
 Swenson, Margaret, ss Provo
 Sylvester, Ralph, Gr Eureka
- Talbot, Phyllis, a-F Hinckley
 Tanner, George, a-S Provo
 Tanner, Gilbert, a-F Provo
 Tanner, Ila, ss Beaver
 Tanner, Orea, e-J Rexburg, Ida.
 Tanner, J. Sherman, a-Un, Provo R.D.
 Taylor, Alice, ss Provo
 Taylor, Alice N., e-So-p
 Salt Lake City
 Taylor, Anna, ss .. Am. Falls, Idaho
 Taylor, Annie R., a-Sp Provo
 Taylor, Bessie, ap-So Manti
 Taylor, Delenna, a-F Provo
 Taylor, Howard D., a-J Payson
 Taylor, Lynn O., a-S-ss . Pima, Ariz.
 Taylor, Marjorie, e-So Payson
 Taylor, J. Max, ss Provo
 Taylor, Nile, ap-J .. Banida, Idaho
 Taylor, Paul, a-J Provo
 Taylor, Preston, a-So .. Banida, Ida.
 Taylor, Priscilla, e-J . Salt Lake City
 Taylor, Rex, e-F Levan
- Taylor, Samuel, a-S Provo
 Taylor, Virginia, fa-So . Provo R. D.
 Taylor, Wendell H., a-J Provo
 Tenney, T. Rowell, c-So, Alpine, Ariz.
 Terry, Elvis B., ss Enterprise
 Tervort, Evva, ss Payson
 Tew, William, ss Mapleton
 Thatcher, Howard, a-So Payson
 Thiriot, Joseph, e-So .. Hiko, Nev.
 Thomas, Albert B., e-Sp . Huntington
 Thomas, Arvilla, e-So Heber
 Thomas, David, ss .. Salt Lake City
 Thomas, Glenn, e-F Wales, Utah
 Thompson, William H., c-F .. Aurora
 Thorne, Lucile, a-J Provo
 Thorne, Ilah, fa-F Pl. Grove
 Thorn, Paul A., a-S .. Springville
 Thorne, Richard H., Gr-Sp.. Sp'ville
 Thornock, Owen, a-So
 Bloomington, Idaho
 Thornton, J. Read, e-F Provo
 Thorpe, Christy, e-J Axtel
 Thurber, Mary Lue, c-So .. Richfield
 Tietjen, Naomi, a-So Santaquin
 Tingey, Waioira, ss Woodruff
 Tippetts, Mary, e-F .. Spanish Fork
 Tolboe, Lois, e-F Orem
 Tolhurst, Delsa, ap-S-ss Payson
 Toone, Clifford, c-J . Gooding, Ida.
 Toone, Theodore, c-J . Gooding, Ida.
 Tooth, Bessie, ss Manti
 Towers, Esther, e-So Eureka
 Trane, Roberta, c-F Midvale
 Tregeagle, Delbert, c-So Provo
 Tregeagle, Phyllis, ss Provo
 Tucker, Clarence, ap-F Provo
 Tucker, Laura, ap-S, Provo
 Tucker, Ralph, a-F Murray
 Tueller, Dallas, fa-So .. Paris, Ida.
 Tuttle, Elliott, e-So Provo
 Tyler, Austin, a-S Thatcher
- Utley, Marguerite L., e-So-ss
 Fillmore
 Utley, Ray, e-J Richfield
- Vacher, Clarence, a-S Provo
 Vance, Lois, fa-F Provo
 Vance, E. Merle, ap-So . Jerome, Ida.

Vance, Merlin, a-F	Provo	Webb, Fred, fa-So-ss	Provo
VanPatten, Boyce, c-So .	Springville	Webb, Glenn, fa-J	Lehi
VanWagenen, Fay, c-Sp	Provo	Webb, Ina, Gr-ss	Provo
VanWagenen, Frank, c-F	Provo	Weight, Bert, e-J	Provo
VanWagenen, M. Elroy, a-F .	Heber	Weight, Ormon R., fa-S .	Springville
VanWagenen, Loree, a-S	Provo	Weight, Reed, c-S	Provo
Vernon, Wm. M., fa-J	Provo	Weight, Virginia, e-So-ss	Provo
Vest, Hyrum Grant, a-So .	Am. Fork	Welker, Maureen, a-S-ss .	Paris, Ida.
Vest, Thelma, ss	Payson	Welker, Roy, ss	Paris, Idaho
Vest, Wm. Veloy, a-So	Mona	Weiker, Wright O., a-S .....	..... Montpelier, Idaho
Viertel, Melba, e-So	Payson	Wells, Allen, a-F	Lehi
Vincent, Glen, c-S	Provo	Wells, Claire, a-So-ss	Lehi
Vincent, Rowe, c-S	Provo	Wentz, Donald, a-Sp	Provo D. D.
Wadley, Alexander, a-So .	Pl. Grove	Wentz, Monta, fa-J	Provo R. D.
Wadley, Lucille, e-F	Pl. Grove	Wentz, Myrl, e-So	Provo
Waid, Edrie, e-So	Provo	Wentz, H. Vernon, a-S	Provo
Wakefield, J. Homer, G-ss ..	Provo	West, Della, c-F ..	Pocatello, Idaho
Wakefield, Lynn, ap-Sp	Provo	West, Leona, e-So	Spanish Fork
Waldram, Marie, a— ..	Sugar, Idaho	Western, Gertrude, ss	Deseret
Walker, Chas. B., Sp ..	Am. Fork	West, Ray, ss	Richmond
Walker, David S., a-F ..	Am. Fork	Westwood, David, a-Un-ss	Provo
Walker, Della, e-F	Peoa	Westwood, James, a-J	Provo
Walker, Inez, e-F	Pl. Grove	Westwood, John, a-J	Provo
Walker, Lucille, ss	Pl. Grove	Wheeler, Edda, e-Sp	Springville
Walker, Paul, ss	Pl. Grove	Wheeler, Mable, a-So	Springville
Walker, Thelma, e-So	Pl. Grove	Wheelwright, Annie, ap-J ..	Ogden
Walker, Verle, e-F	Peoa	Whetten, Kate, a-So	Provo
Wall F. Glade, a-J	Santaquin	Whetten, Lester B., ap-J-ss ....	..... Colonia Juarez, Chih, Mex.
Wallace, Nora, ss	Driggs, Idaho	Whetten, Loren A., ap-So .....	..... Colonia Juarez, Chih, Mex.
Walser, J. Floyd, ap-S .....	..... Colonia Juarez, Chih., Mexico	Whitaker, Susa P., Sp-ss	Provo
Wangsgard, Alton, a-S	Ogden	Whitaker, Warren S., c-S ..	Provo
Wangsgard, Keith, a-S	Ogden	White, Erma, c-F	Beaver
Wanlass, Glen, c-So	Am. Fork	White, Josephine, a-So	Beaver
Ward, J. Moroni, c-J	Riverside	White, Fay, e-F	Payson
Warner, Thelma, ss	Nephi	White, Lois, fa-So	Beaver
Warner, M. Vern, a-F ..	Sp. Fork	Whitehead, Mary, e-F	Provo
Warnick, Paul, c-S	Provo	Whitehead, LeRoy, ss	Nephi
Washburn, Barr, c-J	Provo	Whiteley, Helen, c-F .	Oakley, Ida.
Washburn, Don, a-S	Provo	Whiting, Lamar, a-S	Provo
Washburn, Jesse A., e-J-ss ..	Provo	Whiting, Quinn, a-So	Mapleton
Washburn, Thomas D., c-S ..	Provo	Whitman, Jay, a-F	Lehi
Waters, J. Vaur, c-F ..	Spanish Fork	Whitman, Laurence, fa-F .....	..... Mt. Pleasant
Watkins, Gareld, a-F	Pl. Grove	Wilhite, Ada L., ss .	Twin Falls, Ida.
Watson, Gladys, ss .	Pocatello, Ida.	Wilkinson, Glen, c-So	Ogden
Watson, Henry, a-J	Ogden	Willardsen, George, e-J ..	Ephraim
Watts, J. Clayton, ss ...	Centerfield		
Watts, Orvil A., e-S-ss	Provo		

Willes, Cassel, a-F	Lehi	Worthen, Paul S., Sp-ss	St. George
Willes, Echo, e-Sp	Lehi	Worthen, Ralph, c-F	Provo
Williams, Alberta, a-F	Morgan	Worthington, Erma, e-F	Nephi
Williams, Daraline, fa-So .	Sp. Fork	Wright, Beth A., a-So-ss	Provo
Williams, Fenton, e-S	Ferron	Wright, Elva, Sp-ss .	Idaho Falls, Ida.
Williams, Jean, ss	Provo	Wright, Emily, ap-S	Pl. Grove
Williams, Nephi L., Sp-ss		Wright, Glade, a-F	Hinckley
.....	Castle Dale	Wright, Janus, ap-J	Hinckley
Williams, Oran A., e-S		Wright, Lynne, c-F	Provo
.....	Thatcher, Arizona	Wright, Nellie, ss	Charleston
Williams, Ralph R., e-So	Beaver	Wright, Vesta, ss .	Idaho Falls, Ida.
Wilmott, Alzada, fa-So .	Springville	Wyllie, Martha, e-Sp	Hanksville
Wilson, Belva, e-So	Midway		
Wilson, Clarence, c-S	Nephi		
Wilson, Dale, e-F	Payson		
Wilson, Florence, c-J			
.....	Salt Lake City		
Wilson, Harold, c-So	Payson		
Wilson, Jesse, a-Un	Payson		
Wilson, Mabel, e-F .	Salt Lake City		
Wilson, Mabel, e-So	Nephi		
Wilson, Reanon, c-Sp	Provo		
Wilson, Sarah G., ss	Ogden		
Wing, John H., Gr	Am. Fork		
Wing, Mariam, ap-J	Am. Fork		
Wing, Therese, ss	Provo		
Winsor, Eleanor, e-F	Morgan		
Winterton, Zelma, e-J	Provo		
Wiscombe, Ronald, a-F .	Roosevelt		
Wittwer, Reed, c-J	Santa Clara		
Wood, John, ss	Logan		
Wood, Reed A., c-J-ss	Holden		
Woodhouse, Clara, fa-So	Beaver		
Woodward, Mrs. Emily T., ss ..	Provo		
Woolley, Florence B., ss	Ogden		
Woolston, James T., a-S	Lehi		
Woolston, Harold, fa-So	Lehi		
Wootton, R. Bert, ap-F	Heber		
Worsley, Helen, a-F	Provo		
Worsley, Sadie P., Gr	Provo		
		Yorgason, Robert, a-J	
		.....	Burlington, Wyoming
		Youd, Stella, e-F	Spanish Fork
		Young, Edith, a-F	Am. Fork
		Young, Sarah, e-F	Provo
		Young, Newel K., ss	Provo
		Young, Silas M., Gr	Brigham
		Zabriskie, Max D., c-F	Provo
		*Jarrel, Ethel, e-So	Vernal
		Jay, Emma, ss	Roy
		Jeffery, Emily, ss	Delta
		Jeffery, Pearl, ss	Delta
		Jenkins, Clayton, c-So	Provo
		Jenkins, Louise, fa-F	Provo
		Jenkins, Melvin, c-F	Provo
		Jenkins, Ray, c-F	Springville
		Jensen, Christian J., Sp-ss ..	Ogden
		Jensen, Cora, ss	Fillmore
		Jensen, C. Lavoie, Sp	Provo
		Jensen, Della, e-F	Spanish Fork
		Jenson, Edgar M., Gr-ss	Provo
		Jensen, Edna, e-F	Ferron
		Jensen, Hazel M., e-So ...	Gunnison
		Jensen, N. Howard, ss	Fillmore
		Jensen, John E., a-J	Gunnison

*The last seventeen names should have followed the names on page 286.

SUMMARY OF STUDENTS FOR 1930-1931

Graduates -----	48	
Seniors -----	192	
Juniors -----	213	
Sophomores -----	370	
Freshmen -----	473	
Specials -----	134	
Unmatriculated -----	18	
	<hr/>	1448
Summer School 1930:		
Graduates -----	145	
Other Students -----	316	
	<hr/>	461
Correspondence and Extension -----		622
Secondary Training School:		
Senior High School -----	111	
Junior High School -----	97	
	<hr/>	208
Elementary Training School -----		263
		<hr/>
		3002
Less those counted more than once -----		298
		<hr/>
Number receiving institutional credit -----		2704

Accommodations	47
Accounting and Business Administration	69
Administrative Officers	6
Admission	51
Agricultural Club	39
Agronomy	74
Alpha Kappa Psi	42
Animal Husbandry	78
Art	82
Art Club	39
Associated Students	36
Associated Women Students	36
Awards	45
Beta Beta Beta	43
Block "Y" Club	37
Board of Trustees	4
Botany	88
B. Y. U. Women's Organization	43
Calendar	5
Chemistry	91
Church School Officers	4
Classification of Students	53
Clothing and Textiles	135
Clubs and Societies	38
College of Applied Science	63
College of Arts and Sciences	63
College of Commerce	64
College of Education	64
College of Fine Arts	68
Committees, Standing	26
Course Divisions	52
Correspondence Courses	249
Courses of Instruction	69
Credits	54
David Starr Jordan Biology Club	41
Dean of Women	49
Departments of Instruction	34
Delta Phi	41
Discipline	48
Drama League, The	39
Drawing	154
Economics	97
Educational Administration	101
Election of Studies	52
Elementary Education	106
Elementary School Faculty	257
Engineering	157
English	112
Enrollment of Students	278

Entomology	240
Extension Division, The	243
Faculty	7
Faculty Fine Arts Club	43
Faculties, L. D. S. Institutes and Seminaries	27
Faculty Forum	43
Fees	266
Finance and Banking	120
Foods and Nutrition	138
French	161
French, German and Spanish Clubs	39
Gamma Phi Omicron	40
General Requirements	51
Geology and Geography	122
German	158
Graduate Club	42
Graduate School	58
Graduates	268
Graduation	55
Group Requirements	56
History of University	30
History	129
Home Economics	135
Home Economics Club	40
Horticulture	144
Household Administration	142
Instrumental Music	169
Latin	165
Leadership Week	248
Library	49-147
Literary Club, The	40
Loan Funds	35
Lower Division Requirements	56
Lyceum	34
Master Degree Requirements	59
Mathematics	147
Mechanic Arts	150
Medical Director, Function of	48
Modern and Classical Languages	158
Music	166
Music Society	40
Office Practice	174
Organization of University	33
Philosophy of Education	176
Phonetics	166
Physical Education	181
Physics	189
Political Science	195
Presidents' Club	37

Psychology	200
Psychology Club	41
Religious Education	205
Scholarships and Prizes	44
Scholarship Honors	60
Secondary Education	221
Secondary Training School Curriculum	261
Senior High School Courses	262
Social Unit Organization	38
Sociology	226
Spanish	164
Special Scientific Collections	50
Speech	231
Student Body Prizes and Awards	37
Summer Session	266
Tau Kappa Alpha	42
Theory of Music	167
Theta Alpha Phi	42
Training Schools	257
Upper Division Requirements	57
Vocal Music	173
Woodwork	152
Young Commerce Club	41
Young Women's Missionary Club	41
Y. E. A.	41
Zoology and Entomology	235

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